

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTASXS1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 AUG 15 CAOLD to be discontinued on December 31, 2008  
NEWS 3 OCT 07 EPFULL enhanced with full implementation of EPC2000  
NEWS 4 OCT 07 Multiple databases enhanced for more flexible patent  
number searching  
NEWS 5 OCT 22 Current-awareness alert (SDI) setup and editing  
enhanced  
NEWS 6 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT  
Applications  
NEWS 7 OCT 24 CHEMLIST enhanced with intermediate list of  
pre-registered REACH substances  
NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic  
substances identified in English-, French-, German-,  
and Japanese-language basic patents from 2004-present  
NEWS 9 NOV 26 MARPAT enhanced with FSORT command  
NEWS 10 NOV 26 MEDLINE year-end processing temporarily halts  
availability of new fully-indexed citations  
NEWS 11 NOV 26 CHEMSAFE now available on STN Easy  
NEWS 12 NOV 26 Two new SET commands increase convenience of STN  
searching  
NEWS 13 DEC 01 ChemPort single article sales feature unavailable  
  
NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
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result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:21:17 ON 12 DEC 2008

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:21:28 ON 12 DEC 2008  
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STRUCTURE FILE UPDATES: 11 DEC 2008 HIGHEST RN 1083154-18-0  
DICTIONARY FILE UPDATES: 11 DEC 2008 HIGHEST RN 1083154-18-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

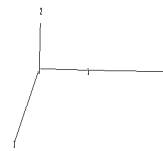
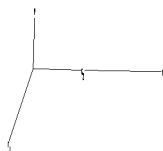
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10519287.str



```
chain nodes :
1  2  3  5  7
chain bonds :
1-2  1-3  1-5  5-7
exact/norm bonds :
1-3  1-5  5-7
exact bonds :
1-2
```

G1:H,X

G2:SH,SO<sub>2</sub>,OSO<sub>3</sub>H,SO<sub>3</sub>H,S

G3:O,S,X,Ak

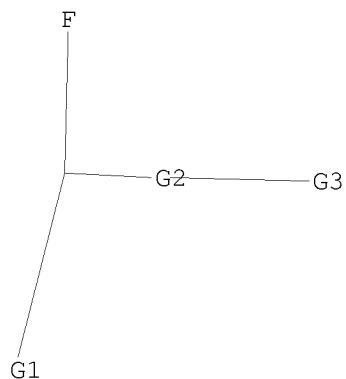
```
Match level :
1:CLASS  2:CLASS  3:CLASS  5:CLASS  7:CLASS
```

L1           STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1           STR



G1 H, X

G2 SH, SO<sub>2</sub>, OSO<sub>3</sub>H, SO<sub>3</sub>H, S

G3 O, S, X, Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 14:21:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 173678 TO ITERATE

100.0% PROCESSED 173678 ITERATIONS

89804 ANSWERS

SEARCH TIME: 00.00.03

L2 89804 SEA SSS FUL L1

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.36

178.57

FILE 'REGISTRY' ENTERED AT 14:21:48 ON 12 DEC 2008

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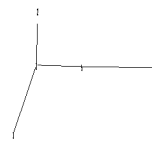
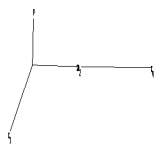
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<http://www.cas.org/support/stngen/stndoc/properties.html>



=>

Uploading C:\Program Files\STNEXP\Queries\10519287a.str



chain nodes :  
1 2 3 5 7  
chain bonds :  
1-2 1-3 1-5 5-7  
exact/norm bonds :  
1-3 5-7  
exact bonds :  
1-2 1-5

G1:H,X

G2:SH,SO2,OSO3H,SO3H,S

G3:O,S,X,Ak

G4:O,S,X

Match level :  
1:CLASS 2:CLASS 3:CLASS 5:CLASS 7:CLASS

L3 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\STNEXP\Queries\10519287b.str



```

chain nodes :
1  2  3  6  9 10
chain bonds :
1-2  1-3  1-9  6-9  9-10
exact/norm bonds :
1-3  1-9  6-9  9-10
exact bonds :
1-2

```

G1:H,X

G2:SH,SO2,OSO3H,SO3H,S

G3:O,S,X,Ak

G4:O,S,X

```

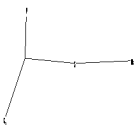
Match level :
1:CLASS  2:CLASS  3:CLASS  6:CLASS  9:CLASS 10:CLASS

```

L4            STRUCTURE UPLOADED

=>

Uploading C:\Program Files\STNEXP\Queries\10519287c.str



chain nodes :  
1 2 3 6 9  
chain bonds :  
1-2 1-3 1-9 6-9  
exact/norm bonds :  
1-3 1-9 6-9  
exact bonds :  
1-2

G1:H,X

G2:SH,SO2,OSO3H,SO3H,S

G3:O,S,X,Ak

G4:O,S,X

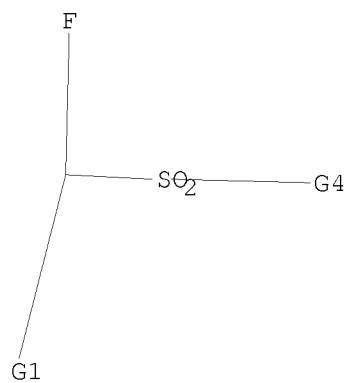
Match level :  
1:CLASS 2:CLASS 3:CLASS 6:CLASS 9:CLASS

L5        STRUCTURE UPLOADED

=> d 13

L3 HAS NO ANSWERS

L3                STR



G1 H, X

G2 SH, SO<sub>2</sub>, OSO<sub>3</sub>H, SO<sub>3</sub>H, S

G3 O, S, X, Ak

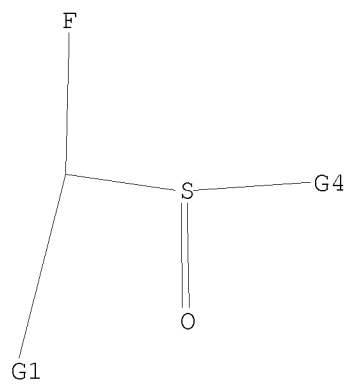
G4 O, S, X

Structure attributes must be viewed using STN Express query preparation.

=> d 14

L4 HAS NO ANSWERS

L4 STR



G1 H, X

G2 SH, SO<sub>2</sub>, OSO<sub>3</sub>H, SO<sub>3</sub>H, S

G3 O, S, X, Ak

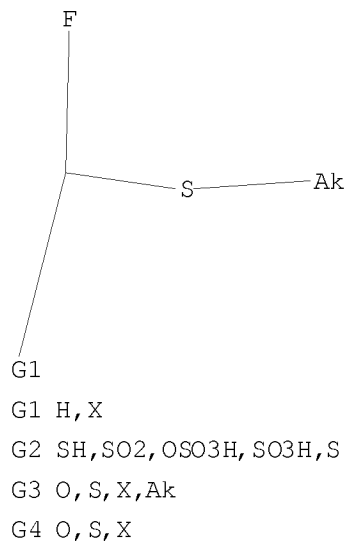
G4 O, S, X

Structure attributes must be viewed using STN Express query preparation.

=> d 15

L5 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l3 sss full
FULL SEARCH INITIATED 14:23:44 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 67008 TO ITERATE
```

```
100.0% PROCESSED    67008 ITERATIONS                65267 ANSWERS
SEARCH TIME: 00.00.01
```

```
L6          65267 SEA SSS FUL L3
```

```
=> s l4 sss full
FULL SEARCH INITIATED 14:23:48 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 114098 TO ITERATE
```

```
100.0% PROCESSED   114098 ITERATIONS                81445 ANSWERS
SEARCH TIME: 00.00.01
```

```
L7          81445 SEA SSS FUL L4
```

```
=> s l5 sss full
FULL SEARCH INITIATED 14:23:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 173622 TO ITERATE
```

```
100.0% PROCESSED   173622 ITERATIONS                7394 ANSWERS
SEARCH TIME: 00.00.03
```

```
L8          7394 SEA SSS FUL L5
```

```
=> file capl
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                535.54      714.11
```

```
FILE 'CAPLUS' ENTERED AT 14:23:57 ON 12 DEC 2008
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FILE LAST UPDATED: 11 Dec 2008 (20081211/ED)

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Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s l6

L9 54746 L6

=>

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.48

714.59

FILE 'REGISTRY' ENTERED AT 14:24:15 ON 12 DEC 2008  
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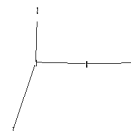
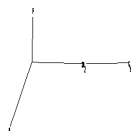
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10519287d.str



```

chain nodes :
1  2  3  8  9
chain bonds :
1-2  1-3  1-8  8-9
exact/norm bonds :
8-9
exact bonds :
1-2  1-3  1-8

```

G1:H,X

G2:SH,SO2,OSO3H,SO3H,S

G3:O,S,X,Ak

G4:O,S,X

G5:O,X

```

Match level :
1:CLASS  2:CLASS  3:CLASS  8:CLASS  9:CLASS

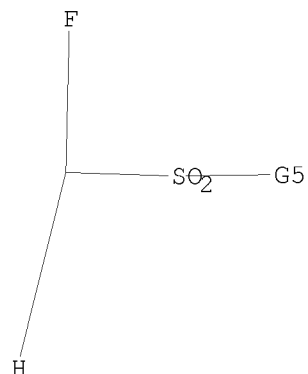
```

L10        STRUCTURE UPLOADED

=> d l10

L10 HAS NO ANSWERS

L10                STR



G1 H,X

G2 SH,SO<sub>2</sub>,OSO<sub>3</sub>H,SO<sub>3</sub>H,S

G3 O,S,X,Ak

G4 O,S,X

G5 O,X

Structure attributes must be viewed using STN Express query preparation.

=> s l10 sss full

FULL SEARCH INITIATED 14:25:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -        66896 TO ITERATE

100.0% PROCESSED        66896 ITERATIONS

197 ANSWERS

SEARCH TIME: 00.00.01

L11                197 SEA SSS FUL L10

=> file capl

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

179.28

893.87

FILE 'CAPLUS' ENTERED AT 14:25:58 ON 12 DEC 2008

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=> s l11  
L12 196 L11

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.48	894.35

FILE 'REGISTRY' ENTERED AT 14:26:08 ON 12 DEC 2008  
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DICTIONARY FILE UPDATES: 11 DEC 2008 HIGHEST RN 1083154-18-0

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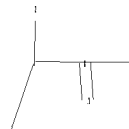
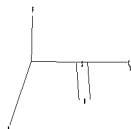
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=>  
Uploading C:\Program Files\STNEXP\Queries\10519287e.str



```

chain nodes :
1  2  3  8  9  11
chain bonds :
1-2  1-3  1-8  8-9  8-11
exact/norm bonds :
1-8  8-9  8-11
exact bonds :
1-2  1-3

```

G1:H,X

G2:SH,S02,OS03H,S03H,S

G3:O,S,X,Ak

G4:O,S,X

G5:O,X

```

Match level :
1:CLASS  2:CLASS  3:CLASS  8:CLASS  9:CLASS  11:CLASS

```

L13           STRUCTURE UPLOADED

=> s l13

SAMPLE SEARCH INITIATED 14:26:49 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -       5702 TO ITERATE

35.1% PROCESSED       2000 ITERATIONS                   18 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   \*\*COMPLETE\*\*  
                          BATCH    \*\*COMPLETE\*\*  
PROJECTED ITERATIONS:       109512 TO   118568  
PROJECTED ANSWERS:           597 TO       1455

L14           18 SEA SSS SAM L13

=> s l13 sss full

FULL SEARCH INITIATED 14:26:54 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -   114088 TO ITERATE

100.0% PROCESSED   114088 ITERATIONS                   1041 ANSWERS  
SEARCH TIME: 00.00.01

L15           1041 SEA SSS FUL L13

=> file capl

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.36	1072.71

FILE 'CAPLUS' ENTERED AT 14:26:57 ON 12 DEC 2008  
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=> s l15

L16           307 L15

=> d his

(FILE 'HOME' ENTERED AT 14:21:17 ON 12 DEC 2008)

FILE 'REGISTRY' ENTERED AT 14:21:28 ON 12 DEC 2008

L1 STRUCTURE UPLOADED

L2 89804 S L1 SSS FULL

FILE 'REGISTRY' ENTERED AT 14:21:48 ON 12 DEC 2008

L3 STRUCTURE UPLOADED

L4 STRUCTURE UPLOADED

L5 STRUCTURE UPLOADED

L6 65267 S L3 SSS FULL

L7 81445 S L4 SSS FULL

L8 7394 S L5 SSS FULL

FILE 'CAPLUS' ENTERED AT 14:23:57 ON 12 DEC 2008

L9 54746 S L6

FILE 'REGISTRY' ENTERED AT 14:24:15 ON 12 DEC 2008

L10 STRUCTURE UPLOADED

L11 197 S L10 SSS FULL

FILE 'CAPLUS' ENTERED AT 14:25:58 ON 12 DEC 2008

L12 196 S L11

FILE 'REGISTRY' ENTERED AT 14:26:08 ON 12 DEC 2008

L13 STRUCTURE UPLOADED

L14 18 S L13

L15 1041 S L13 SSS FULL

FILE 'CAPLUS' ENTERED AT 14:26:57 ON 12 DEC 2008

L16 307 S L15

=> s l12/prep

FIELD CODES CANNOT BE CHANGED HERE

You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> s l12 or l16

L17 307 L12 OR L16

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.48

1073.19

FILE 'REGISTRY' ENTERED AT 14:27:42 ON 12 DEC 2008

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DICTIONARY FILE UPDATES: 11 DEC 2008 HIGHEST RN 1083154-18-0

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<http://www.cas.org/support/stngen/stdoc/properties.html>

=> s 117/prep

FIELD CODES CANNOT BE CHANGED HERE

You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> file capl

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	1073.65

FILE 'CAPLUS' ENTERED AT 14:27:48 ON 12 DEC 2008

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=> s 117/prep

FIELD CODES CANNOT BE CHANGED HERE

You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> d 117 1-307 ibib hitstr

L17 ANSWER 1 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:1157529 CAPLUS

DOCUMENT NUMBER: 149:372101

TITLE: Herbicide compositions containing isoxazolines and other components

INVENTOR(S): Ohno, Shuji; Fujinami, Makoto; Yamaji, Yoshihiro;  
 Hanai, Ryo; Ikeuchi, Toshihiro  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 54pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008114493	A1	20080925	WO 2008-JP505	20080310
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: JP 2007-67874 A 20070316

OTHER SOURCE(S): MARPAT 149:372101

IT 1059108-45-0

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as herbicide)

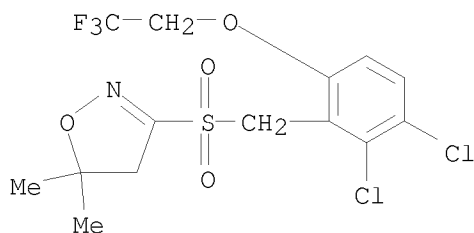
RN 1059108-45-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 639826-13-4

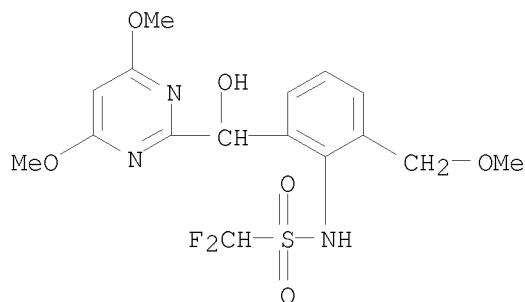
CMF C14 H14 Cl2 F3 N O4 S



CM 2

CRN 221205-90-9

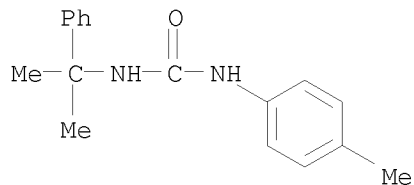
CMF C16 H19 F2 N3 O6 S



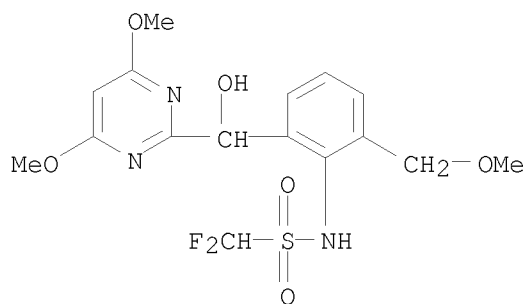
CM 3

CRN 42609-52-9

CMF C17 H20 N2 O



IT 221205-90-9D, Pyrimisulfan, mixts. with isoxazolines  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as herbicides)  
 RN 221205-90-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
 (methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:1127264 CAPLUS  
 DOCUMENT NUMBER: 149:378266  
 TITLE: Method for producing  
 difluoromethanebis(sulfonylfluoride)  
 INVENTOR(S): Iwaya, Masao; Matsukawa, Yasuhisa  
 PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan

SOURCE: PCT Int. Appl., 18pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008111588	A1	20080918	WO 2008-JP54410	20080311
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: JP 2007-61942 A 20070312

OTHER SOURCE(S): CASREACT 149:378266

IT 155652-57-6P

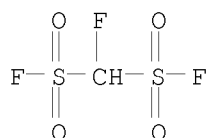
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of 1-fluoromethanedisulfonyl difluoride by reaction of a mixture

of 2,2-dioxido-3-fluorosulfonyl-1,2-oxathiethane compound and 2-fluoro-2,2-bis(fluorosulfonyl)acetyl fluoride with water)

RN 155652-57-6 CAPLUS

CN Methanedisulfonyl difluoride, 1-fluoro- (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:1043550 CAPLUS

DOCUMENT NUMBER: 149:307888

TITLE: Preparation of haloalkylsulfonanilide derivatives as herbicides

INVENTOR(S): Masuzawa, Yoshihide; Kudou, Takao; Maizuru, Yukihiro; Saitou, Fumiyo; Tanima, Daisuke; Yano, Tetsuhiko; Mine, Keiji

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan

SOURCE: PCT Int. Appl., 521pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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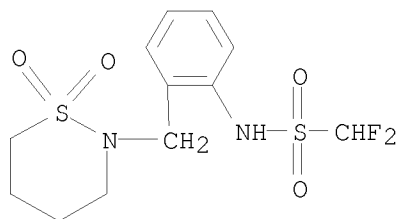


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WO 2008102908	A1	20080828	WO 2008-JP53204	20080225
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,				
CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES,				
FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,				
KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,				
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,				
PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,				
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,				
IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,				
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,				
TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,				
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

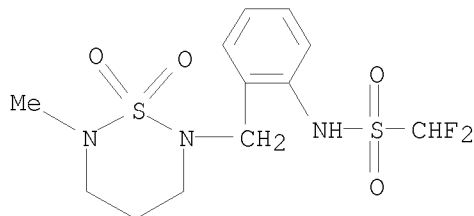
PRIORITY APPLN. INFO.: JP 2007-43791 A 20070223  
JP 2007-52445 A 20070302  
JP 2007-146506 A 20070601  
JP 2007-255288 A 20070928  
JP 2007-269697 A 20071017

OTHER SOURCE(S): MARPAT 149:307888

IT 1049794-12-8P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of haloalkylsulfonanilide derivs. as herbicides)  
RN 1049794-12-8 CAPLUS  
CN Methanesulfonamide, 1,1-difluoro-N-[2-[(tetrahydro-1,1-dioxido-2H-1,2-thiazin-2-yl)methyl]phenyl]- (CA INDEX NAME)



IT 1049794-85-5P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of haloalkylsulfonanilide derivs. as herbicides)  
RN 1049794-85-5 CAPLUS  
CN Methanesulfonamide, 1,1-difluoro-N-[2-[(tetrahydro-6-methyl-1,1-dioxido-2H-1,2,6-thiadiazin-2-yl)methyl]phenyl]- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 4 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:1008975 CAPLUS

DOCUMENT NUMBER: 149:261135

TITLE: Broad-spectrum herbicide compositions containing cyclic amides with low herbicide injury, manufacture of the compositions, and weed control method

INVENTOR(S): Asakura, Sohei; Watanabe, Junichi; Yamaji, Michihiro; Hanai, Ryo

PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 37pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008189578	A	20080821	JP 2007-24635	20070202
PRIORITY APPLN. INFO.:			JP 2007-24635	20070202

OTHER SOURCE(S): MARPAT 149:261135

IT 221205-90-9D, Pyrimisulfan, mixts. containing cyclic amides

1044592-32-6 1044592-33-7 1044592-75-7

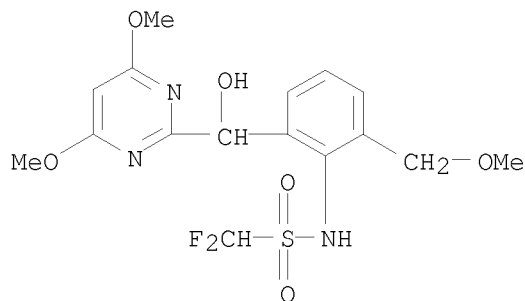
1044592-77-9 1044592-86-0 1044592-87-1

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(broad-spectrum herbicide compns. containing cyclic amides with low herbicide injury)

RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



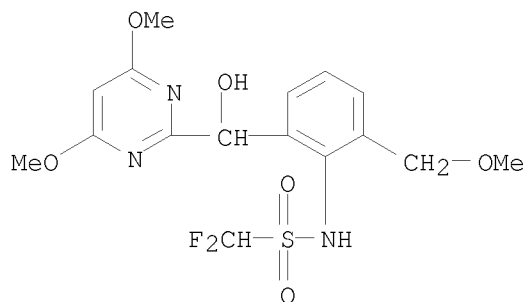
RN 1044592-32-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one (CA INDEX NAME)

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CRN 221205-90-9

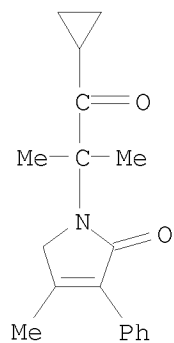
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 185694-70-6

CMF C18 H21 N O2



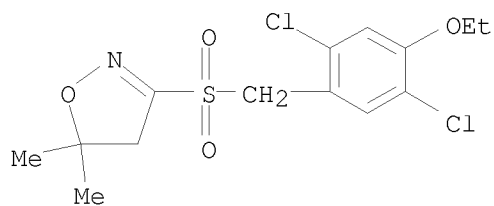
RN 1044592-33-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one and 3-[[2,5-dichloro-4-ethoxyphenyl)methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole (CA INDEX NAME)

CM 1

CRN 639826-16-7

CMF C14 H17 Cl2 N O4 S



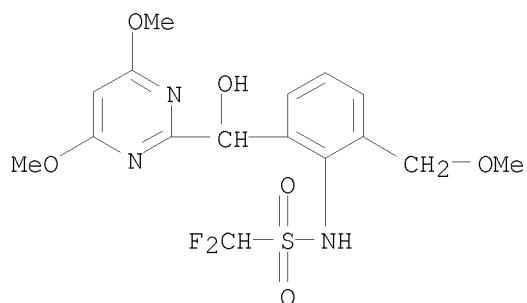
CM 2

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

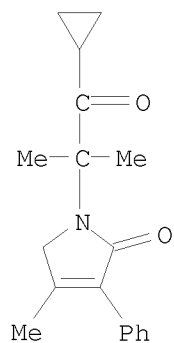
CM 2

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 3

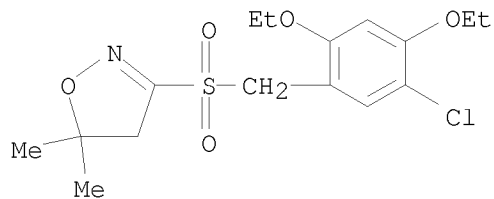
CRN 185694-70-6  
 CMF C18 H21 N O2



RN 1044592-77-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[[[(5-chloro-2,4-diethoxyphenyl)methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole and 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one (CA INDEX NAME)

CM 1

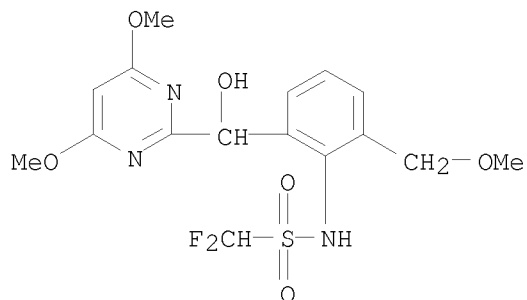
CRN 852632-08-7  
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CM 2

CRN 221205-90-9

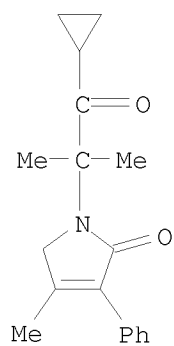
CMF C16 H19 F2 N3 O6 S



CM 3

CRN 185694-70-6

CMF C18 H21 N O2



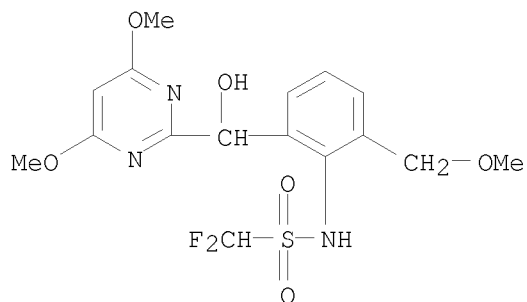
RN 1044592-86-0 CAPLUS

CN Benzoic acid, 2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-6-[(1E)-1-(methoxyimino)ethyl]-, methyl ester, mixt. with 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one and N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 221205-90-9

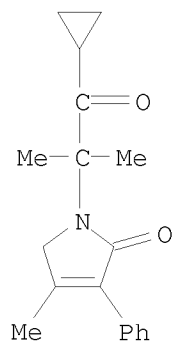
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 185694-70-6

CMF C18 H21 N O2

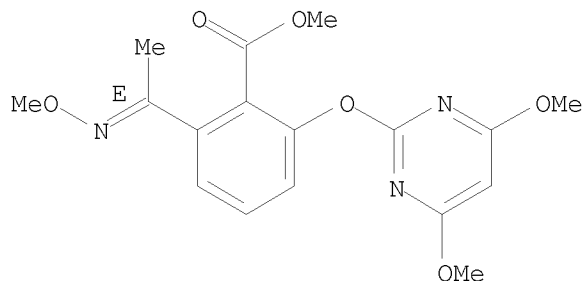


CM 3

CRN 147411-69-6

CMF C17 H19 N3 O6

Double bond geometry as shown.



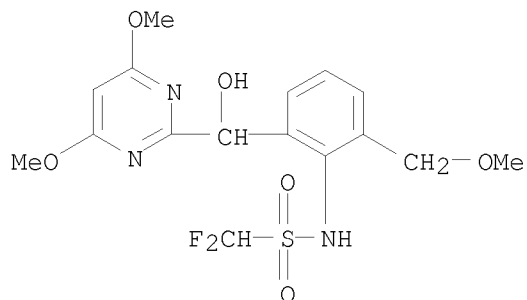
RN 1044592-87-1 CAPLUS

CN Carbamothioic acid, N,N-diethyl-, S-[(4-chlorophenyl)methyl] ester, mixt. with 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one and N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 221205-90-9

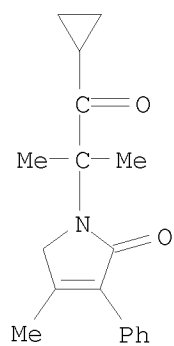
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 185694-70-6

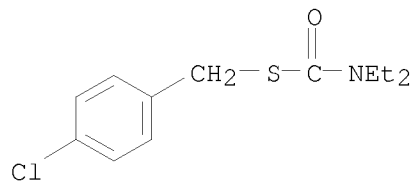
CMF C18 H21 N O2



CM 3

CRN 28249-77-6

CMF C12 H16 Cl N O S



L17 ANSWER 5 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:1006125 CAPLUS

DOCUMENT NUMBER: 149:261133

TITLE: Mixed herbicide compositions for paddy field

INVENTOR(S): Endo, Keiji; Shirakura, Shinichi; Nakamura, Shin

PATENT ASSIGNEE(S): Bayer Cropscience, Germany



SOURCE: U.S. Pat. Appl. Publ., 9pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080200337	A1	20080821	US 2008-31784	20080215
JP 2008201693	A	20080904	JP 2007-37531	20070219
WO 2008101595	A2	20080828	WO 2008-EP870	20080205

W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: JP 2007-37531 A 20070219

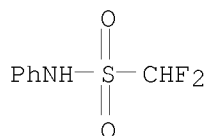
OTHER SOURCE(S): MARPAT 149:261133

IT 658-43-5D, derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (mixed herbicide compns. for paddy field)

RN 658-43-5 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-phenyl- (CA INDEX NAME)

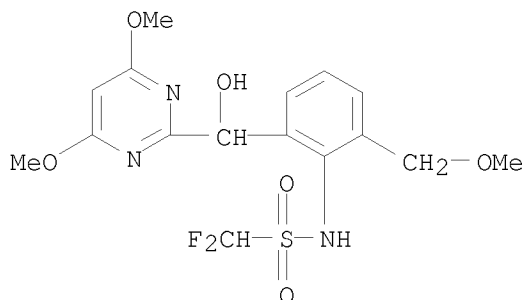


IT 221205-90-9, Pyrimisulfan 1046470-89-6

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (mixed herbicide compns. for paddy field)

RN 221205-90-9 CAPLUS

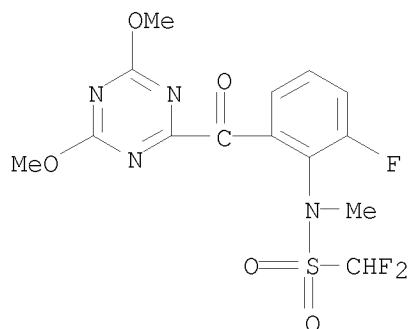
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 1046470-89-6 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]-6-fluorophenyl]-1,1-difluoro-N-methyl-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

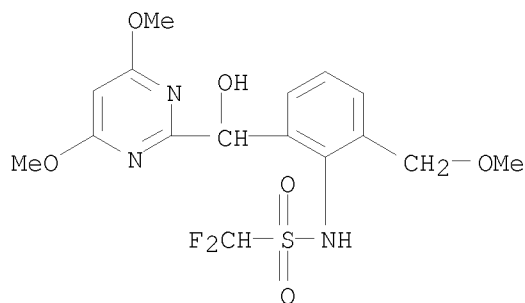
CM 1

CRN 874195-61-6  
CMF C14 H13 F3 N4 O5 S



CM 2

CRN 221205-90-9  
CMF C16 H19 F2 N3 O6 S



L17 ANSWER 6 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2008:988228 CAPLUS  
DOCUMENT NUMBER: 149:336269  
TITLE: Composite electrolyte composition and preparation method thereof  
INVENTOR(S): Luo, Yanhong; Meng, Qingbo  
PATENT ASSIGNEE(S): Institute of Physics, Chinese Academy of Sciences, Peop. Rep. China  
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 21pp. CODEN: CNXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

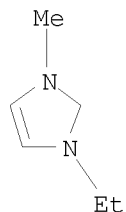
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 101241774	A	20080813	CN 2007-10063790	20070209
PRIORITY APPLN. INFO.:			CN 2007-10063790	20070209
IT 1052102-03-0				
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)				
(Composite electrolyte composition for secondary battery)				
RN 1052102-03-0 CAPLUS				
CN 1H-Imidazolium, 3-ethyl-1-methyl-, 1-fluoromethanesulfonate (1:1) (CA INDEX NAME)				
CM 1				
CRN 1052102-02-9				
CMF C H2 F O3 S				

-O<sub>3</sub>S-CH<sub>2</sub>-F

CM 2

CRN 65039-03-4

CMF C6 H11 N2



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L17 ANSWER 7 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:973977 CAPLUS

DOCUMENT NUMBER: 149:240683

TITLE: Herbicide compositions comprising cyclic amides and other components

INVENTOR(S): Asakura, Sohei; Watanabe, Junichi; Yamaji, Yoshihiro; Hanai, Ryo

PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan

SOURCE: PCT Int. Appl., 60pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008096398	A1	20080814	WO 2007-JP51812	20070202
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,				

MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,  
 RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

WO 2007-JP51812

20070202

OTHER SOURCE(S): MARPAT 149:240683

IT 221205-90-9D, Pyrimisulfan, mixts. with cyclic amides

1044592-32-6 1044592-33-7 1044592-75-7

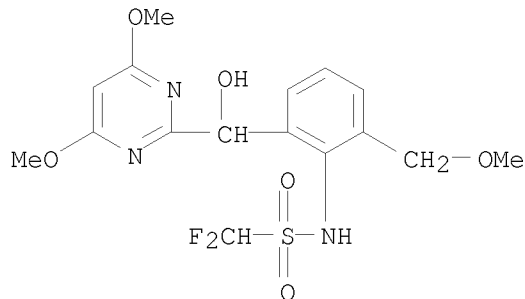
1044592-77-9 1044592-86-0 1044592-87-1

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(synergistic herbicides comprising cyclic amides and other components)

RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
 (methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



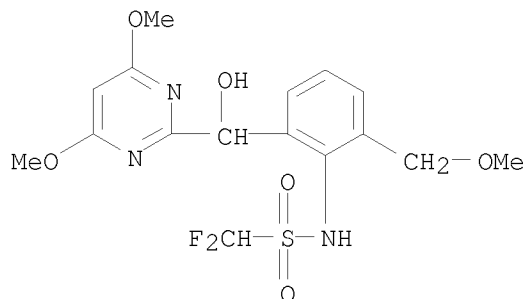
RN 1044592-32-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
 (methoxymethyl)phenyl]-1,1-difluoro-, mixt. with  
 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-  
 pyrrol-2-one (CA INDEX NAME)

CM 1

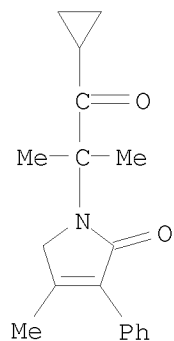
CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S



CM 2

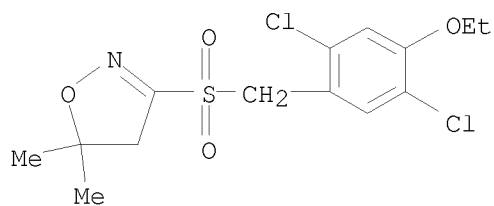
CRN 185694-70-6  
 CMF C18 H21 N O2



RN 1044592-33-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with  
 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one and 3-[[2,5-dichloro-4-ethoxyphenyl)methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole (CA INDEX NAME)

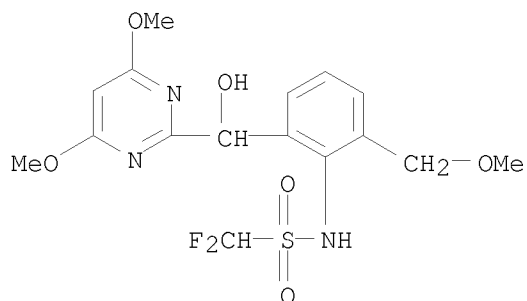
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CRN 639826-16-7  
 CMF C14 H17 Cl2 N O4 S



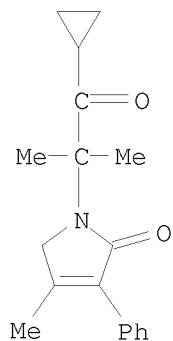
CM 2

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 3

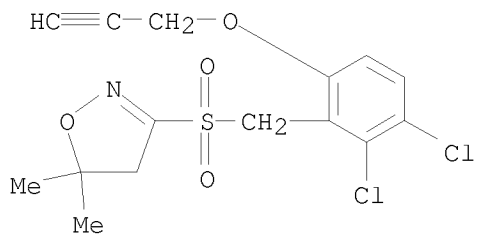
CRN 185694-70-6  
CMF C18 H21 N O2



RN 1044592-75-7 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one and 3-[[[2,3-dichloro-6-(2-propyn-1-yloxy)phenyl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole (CA INDEX NAME)

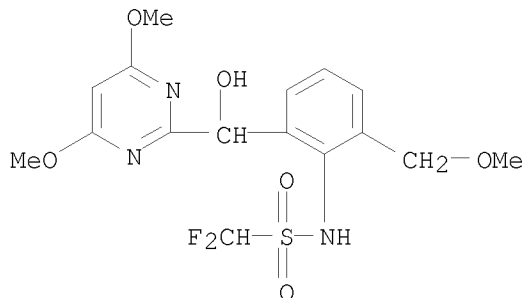
CM 1

CRN 639826-14-5  
CMF C15 H15 Cl2 N O4 S



CM 2

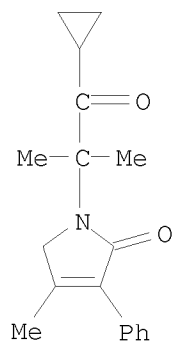
CRN 221205-90-9  
CMF C16 H19 F2 N3 O6 S



CM 3

CRN 185694-70-6

CMF C18 H21 N O2



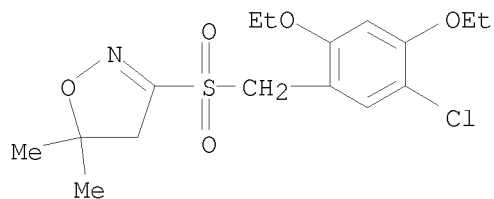
RN 1044592-77-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[[[(5-chloro-2,4-diethoxyphenyl)methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole and 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one (CA INDEX NAME)

CM 1

CRN 852632-08-7

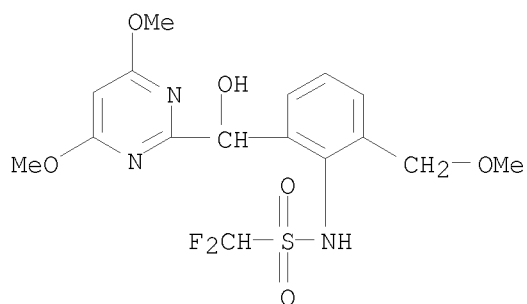
CMF C16 H22 Cl N O5 S



CM 2

CRN 221205-90-9

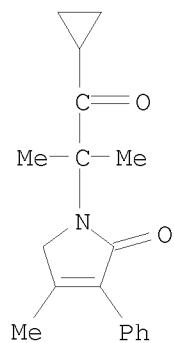
CMF C16 H19 F2 N3 O6 S



CM 3

CRN 185694-70-6

CMF C18 H21 N O2



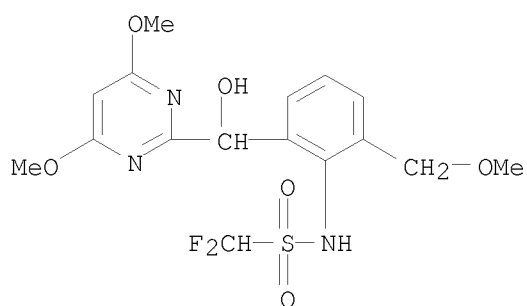
RN 1044592-86-0 CAPLUS

CN Benzoic acid, 2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-6-[(1E)-1-(methoxyimino)ethyl]-, methyl ester, mixt. with 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one and N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

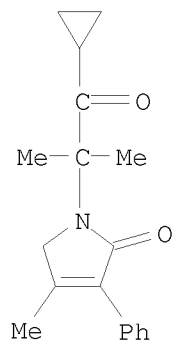




CM 2

CRN 185694-70-6

CMF C18 H21 N O2

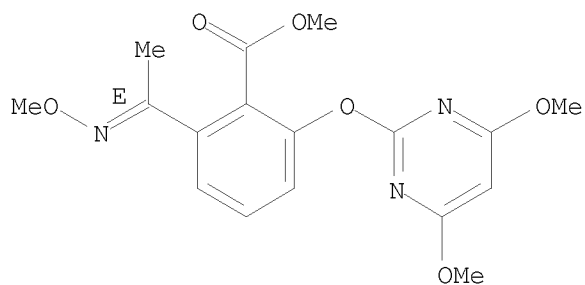


CM 3

CRN 147411-69-6

CMF C17 H19 N3 O6

Double bond geometry as shown.



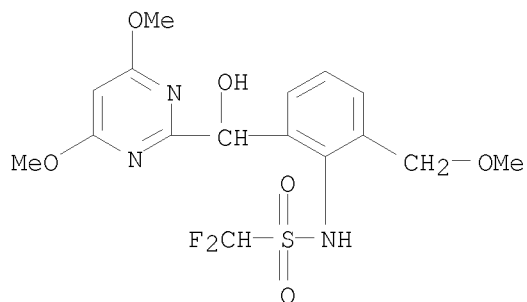
RN 1044592-87-1 CAPLUS

CN Carbamothioic acid, N,N-diethyl-, S-[(4-chlorophenyl)methyl] ester, mixt. with 1-(2-cyclopropyl-1,1-dimethyl-2-oxoethyl)-1,5-dihydro-4-methyl-3-phenyl-2H-pyrrol-2-one and N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 221205-90-9

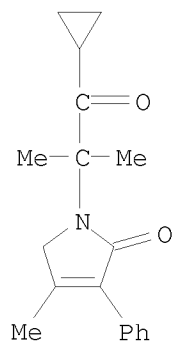
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CM 2

CRN 185694-70-6

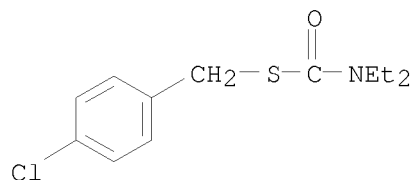
CMF C18 H21 N O2



CM 3

CRN 28249-77-6

CMF C12 H16 Cl N O S



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 8 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:939528 CAPLUS

DOCUMENT NUMBER: 149:217424

TITLE: Combined herbicides containing triazolinones for paddy rice fields

INVENTOR(S): Kondo, Satoru; Okamura, Mitsuyasu; Kido, Tsunehiro

PATENT ASSIGNEE(S): Hokko Chemical Industry Co., Ltd., Japan

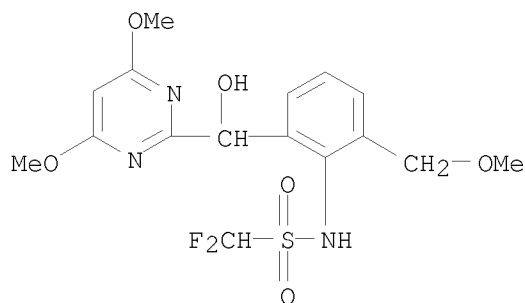
SOURCE: Jpn. Kokai Tokkyo Koho, 23pp.

CODEN: JKXXAF

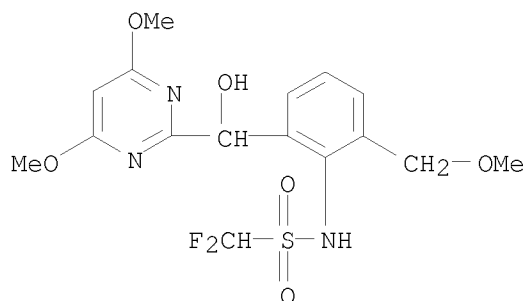
DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008179560	A	20080807	JP 2007-13999	20070124

PRIORITY APPLN. INFO.: JP 2007-13999 20070124  
 OTHER SOURCE(S): MARPAT 149:217424  
 IT 221205-90-9D, mixts. containing triazolinones 1042439-30-4  
 1042439-31-5 1042439-32-6  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (broad-spectrum, combined herbicides containing triazolinones for paddy  
 rice fields with low herbicide injury)  
 RN 221205-90-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
 (methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

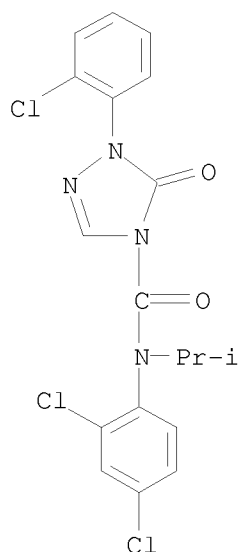


RN 1042439-30-4 CAPLUS  
 CN 4H-1,2,4-Triazole-4-carboxamide, 1-(2-chlorophenyl)-N-(2,4-dichlorophenyl)-  
 1,5-dihydro-N-(1-methylethyl)-5-oxo-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
 1,1-difluoromethanesulfonamide (CA INDEX NAME)  
 CM 1  
 CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

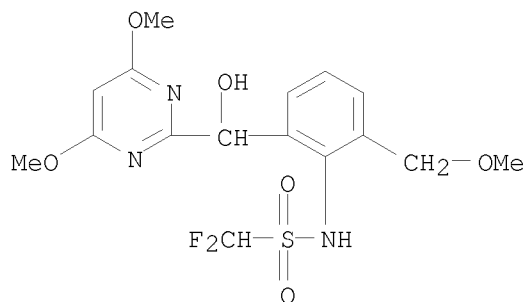
CRN 212201-37-1  
 CMF C18 H15 Cl3 N4 O2



RN 1042439-31-5 CAPLUS  
 CN 4H-1,2,4-Triazole-4-carboxamide, 1-(2,4-dichlorophenyl)-N-(2,4-difluorophenyl)-1,5-dihydro-N-(1-methylethyl)-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

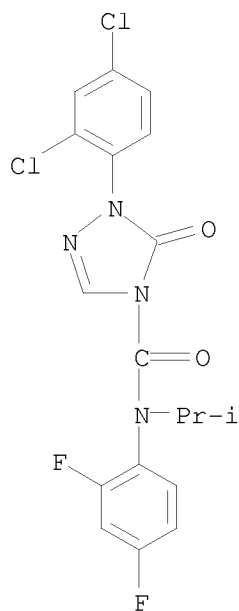
CM 1

CRN 221205-90-9  
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CM 2

CRN 212201-70-2  
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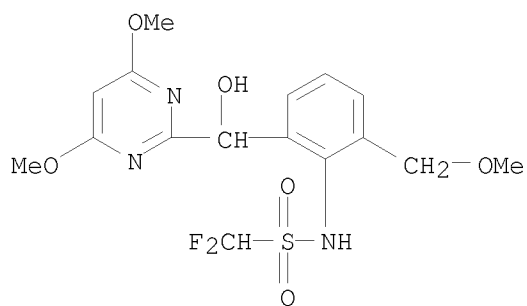


RN 1042439-32-6 CAPLUS  
 CN 4H-1,2,4-Triazole-4-carboxamide, N-(2,4-difluorophenyl)-1-(2,5-difluorophenyl)-1,5-dihydro-N-(1-methylethyl)-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 221205-90-9

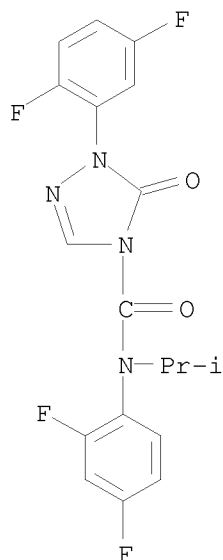
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 212201-67-7

CMF C18 H14 F4 N4 O2



L17 ANSWER 9 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:778085 CAPLUS  
 DOCUMENT NUMBER: 149:71916  
 TITLE: Herbicidal compositions comprising isoxazolines and other components  
 INVENTOR(S): Yamaji, Yoshihiro; Honda, Hisashi; Kobayashi, Masanori; Hanai, Ryo  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 73pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

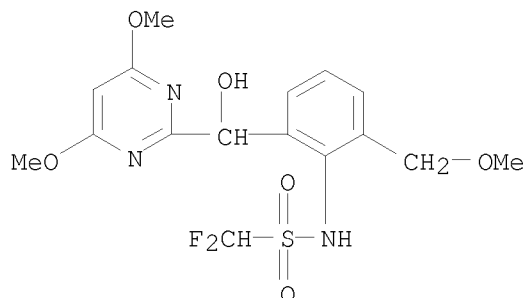
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008075743	A1	20080626	WO 2007-JP74569	20071220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM US 20080153704 A1 20080626 US 2007-948542 20071130 PRIORITY APPLN. INFO.: JP 2006-344409 A 20061221 US 2007-885696P P 20070119				

OTHER SOURCE(S): MARPAT 149:71916  
 IT 221205-90-9D, Pyrimisulfan, mixts. with isoxazolines  
 1033857-92-9, Pyrimisulfan-pyroxasulfone mixture  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(herbicide compns. comprising isoxazolines and other components)

RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



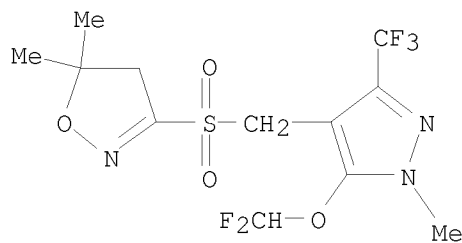
RN 1033857-92-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole (CA INDEX NAME)

CM 1

CRN 447399-55-5

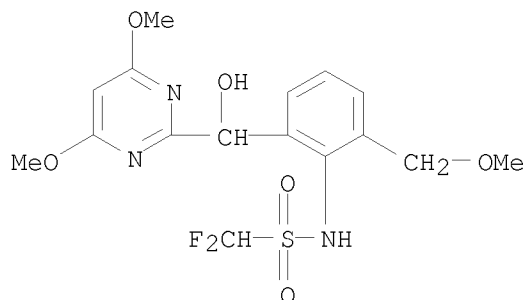
CMF C12 H14 F5 N3 O4 S



CM 2

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 10 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:734960 CAPLUS

DOCUMENT NUMBER: 149:47020

TITLE: Synergistic compositions comprising 1-methylcyclopropene for improving yield, health and/or vigor of plants

INVENTOR(S): Freund, Annette

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 61pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2008071714	A1	20080619	WO 2007-EP63734	20071211
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2006-126269 A 20061215

OTHER SOURCE(S): MARPAT 149:47020

IT 1032974-33-6

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic composition for improving yield, health and/or vigor of plants)

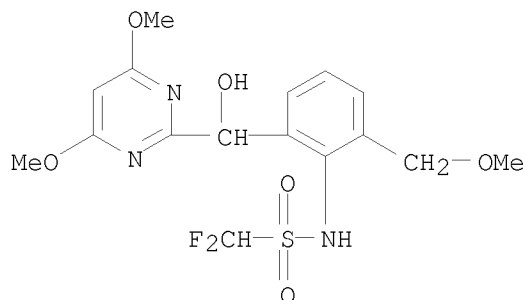
RN 1032974-33-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 1-methylcyclopropene (CA INDEX NAME)

CM 1

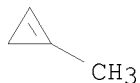
CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S





CM 2  
CRN 3100-04-7  
CMF C4 H6



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

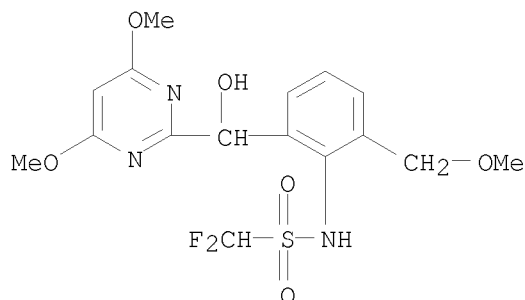
L17 ANSWER 11 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2008:551295 CAPLUS  
DOCUMENT NUMBER: 148:533596  
TITLE: A transgenic high-oleic acid soybean and methods of detecting plants carrying the integration event  
INVENTOR(S): Kinney, Anthony J.; Stecca, Kevin L.; Meyer, Knut  
PATENT ASSIGNEE(S): E. I. Du Pont De Nemours and Company, USA  
SOURCE: PCT Int. Appl., 128 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008054747	A2	20080508	WO 2007-US22920	20071030
WO 2008054747	A3	20080619		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2006-863721P P 20061031  
US 2007-942676P P 20070608

IT 221205-90-9, Pyrimisulfan  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(weed control in soybeans using; transgenic high-oleic acid soybean and methods of detecting plants carrying integration event)  
RN 221205-90-9 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 12 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:411036 CAPLUS

DOCUMENT NUMBER: 148:396138

TITLE: Herbicide compositions containing haloalkylsulfonanilide derivatives and other herbicidal compounds

INVENTOR(S): Mamezuka, Hirotake; Kiyokawa, Takahiro; Suda, Ryosuke

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 56pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008074839	A	20080403	JP 2007-214582	20070821
PRIORITY APPLN. INFO.:			JP 2006-226576	A 20060823

OTHER SOURCE(S): MARPAT 148:396138

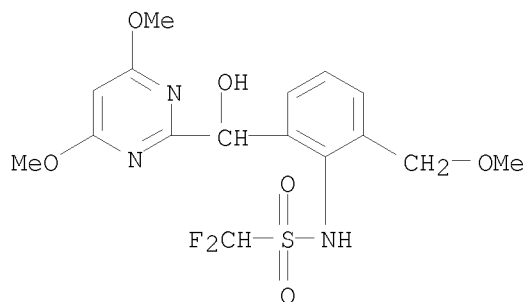
IT 221205-90-9D, Pyrimisulfan, mixts. containing

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(herbicidal compns. containing haloalkylsulfonanilide derivs. and other compds. for controlling weeds in rice paddies)

RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



IT 1015229-56-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(paddy weed control with haloalkylsulfonanilide herbicide)

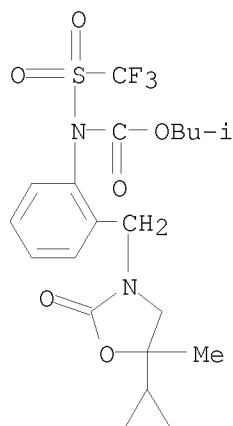
RN 1015229-56-7 CAPLUS

CN Carbamic acid, N-[2-[(5-cyclopropyl-5-methyl-2-oxo-3-oxazolidinyl)methyl]phenyl]-N-[(trifluoromethyl)sulfonyl]-, 2-methylpropyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 907992-18-1

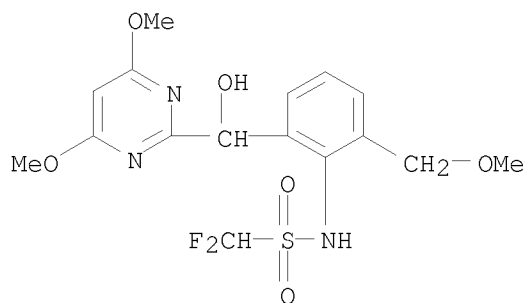
CMF C20 H25 F3 N2 O6 S



CM 2

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S



L17 ANSWER 13 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:380998 CAPLUS

DOCUMENT NUMBER: 148:383050

TITLE: Electrode, its manufacture, and secondary battery

INVENTOR(S): Wakita, Shinya; Okae, Izaya

PATENT ASSIGNEE(S): Sony Corporation, Japan

SOURCE: PCT Int. Appl., 63pp.

CODEN: PIXXD2

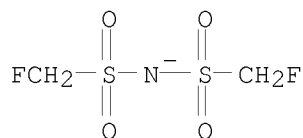
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

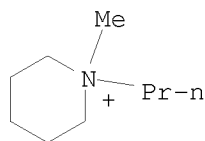
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008035707	A1	20080327	WO 2007-JP68177	20070919
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
JP 2008218385	A	20080918	JP 2007-208401	20070809
US 20080241705	A1	20081002	US 2008-93930	20080515
PRIORITY APPLN. INFO.:			JP 2006-252215	A 20060919
			JP 2007-27155	A 20070206
			JP 2007-208401	A 20070809
			WO 2007-JP68177	W 20070919
IT 1013662-31-1				
RL: MOA (Modifier or additive use); USES (Uses) (structure and manufacture of electrodes containing ambient temperature molten salts for secondary batteries)				
RN 1013662-31-1 CAPLUS				
CN Piperidinium, 1-methyl-1-propyl-, salt with 1-fluoro-N-[(fluoromethyl)sulfonyl]methanesulfonamide (1:1) (CA INDEX NAME)				
CM 1				
CRN 1013662-30-0				
CMF C2 H4 F2 N O4 S2				



CM 2

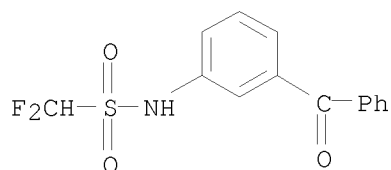
CRN 608140-11-0  
CMF C9 H20 N



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2008:74254 CAPLUS  
 DOCUMENT NUMBER: 148:175738  
 TITLE: Compositions and methods comprising bicifadine for the treatment of chronic pain conditions  
 INVENTOR(S): Skolnick, Phil; Stern, Warren  
 PATENT ASSIGNEE(S): Dov Pharmaceutical, Inc., USA  
 SOURCE: PCT Int. Appl., 59pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008008474	A2	20080117	WO 2007-US15964	20070711
WO 2008008474	A3	20080925		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
US 20080014272	A1	20080117	US 2007-775721	20070710
PRIORITY APPLN. INFO.:			US 2006-830412P	P 20060711
			US 2007-775721	A 20070710
IT 22737-01-5, Diflumidone sodium RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (compsns. and methods comprising bicifadine for treatment of chronic pain conditions)				
RN 22737-01-5 CAPLUS				
CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)				

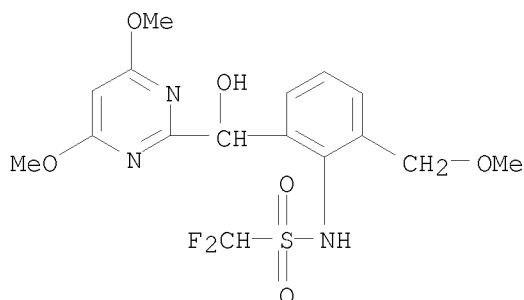


● Na

L17 ANSWER 15 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:32480 CAPLUS  
 DOCUMENT NUMBER: 148:114863  
 TITLE: Herbicide combinations with decreased phytotoxicity  
 INVENTOR(S): Sato, Atsushi; Tojima, Tokushige; Minegishi, Natsuko; Ukawa, Seiji; Ueno, Chieko  
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany

SOURCE: Jpn. Kokai Tokkyo Koho, 12pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008001601	A	20080110	JP 2006-169557	20060620
PRIORITY APPLN. INFO.:			JP 2006-169557	20060620
IT 221205-90-9, Pyrimisulfan				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (herbicide combinations with decreased phytotoxicity)				
RN 221205-90-9 CAPLUS				
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)				



L17 ANSWER 16 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:1475364 CAPLUS  
 DOCUMENT NUMBER: 148:100607  
 TITLE: Imidazolidinone derivatives as Kv1.5 potassium channel inhibitors and their preparation, pharmaceutical compositions and use in the treatment of cardiac arrhythmia  
 INVENTOR(S): Janusz, John Michael; Hodson, Stephen Joseph; Bosch, Gregory Kent; White, Ronald Eugene; Blass, Benjamin E.; Jackson, Christopher M.; Fairweather, Neil T.  
 PATENT ASSIGNEE(S): Wyeth, John, and Brother Ltd., USA  
 SOURCE: PCT Int. Appl., 155pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007149874	A1	20071227	WO 2007-US71587	20070619
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				

IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM

US 20070299120 A1 20071227 US 2007-765359 20070619  
 PRIORITY APPLN. INFO.: US 2006-815091P P 20060620

OTHER SOURCE(S): MARPAT 148:100607

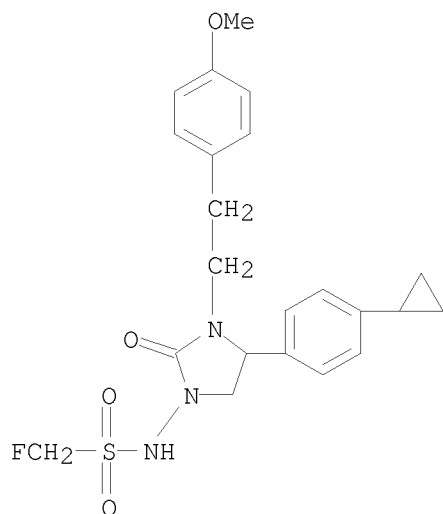
IT 1000305-60-1P 1000305-61-2P 1000305-62-3P  
 1000305-63-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(drug candidate; preparation of imidazolidinone derivs. as Kv1.5 potassium  
 channel inhibitors useful in the treatment of cardiac arrhythmia)

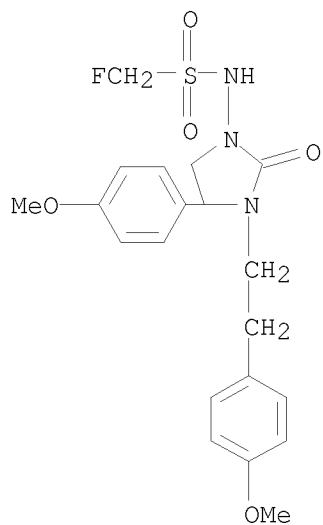
RN 1000305-60-1 CAPLUS

CN Methanesulfonamide, N-[4-(4-cyclopropylphenyl)-3-[2-(4-  
 methoxyphenyl)ethyl]-2-oxo-1-imidazolidinyl]-1-fluoro- (CA INDEX NAME)

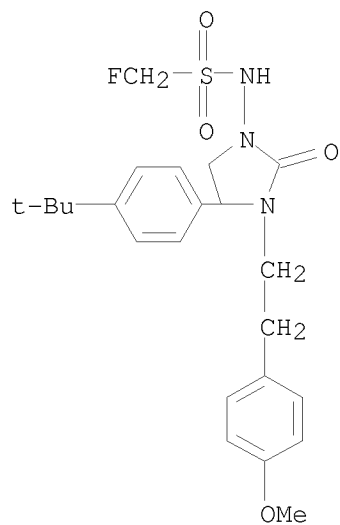


RN 1000305-61-2 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[4-(4-methoxyphenyl)-3-[2-(4-  
 methoxyphenyl)ethyl]-2-oxo-1-imidazolidinyl]- (CA INDEX NAME)

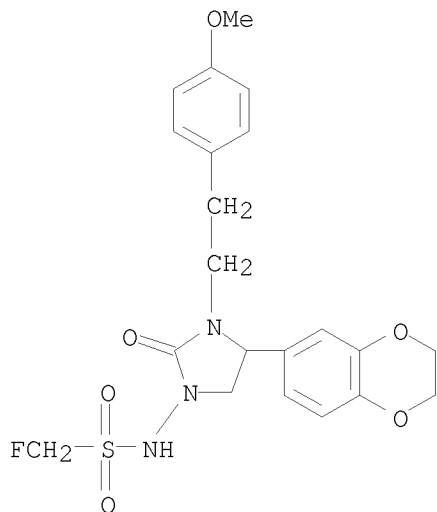


RN 1000305-62-3 CAPLUS  
 CN Methanesulfonamide, N-[4-[4-(1,1-dimethylethyl)phenyl]-3-[2-(4-methoxyphenyl)ethyl]-2-oxo-1-imidazolidinyl]-1-fluoro- (CA INDEX NAME)



RN 1000305-63-4 CAPLUS  
 CN Methanesulfonamide, N-[4-(2,3-dihydro-1,4-benzodioxin-6-yl)-3-[2-(4-methoxyphenyl)ethyl]-2-oxo-1-imidazolidinyl]-1-fluoro- (CA INDEX NAME)





REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 17 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1395120 CAPLUS

DOCUMENT NUMBER: 148:2521

TITLE: Compositions comprising difluoromethanesulfonylanilides and other herbicidal components

INVENTOR(S): Yamaji, Yoshihiro; Ohno, Shuji; Ogawa, Yasunori

PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan

SOURCE: PCT Int. Appl., 26pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007139134	A1	20071206	WO 2007-JP60961	20070530
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
JP 2007320904	A	20071213	JP 2006-152947	20060601

PRIORITY APPLN. INFO.: JP 2006-152947 A 20060601

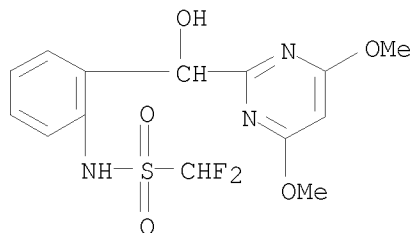
OTHER SOURCE(S): MARPAT 148:2521

IT 257871-28-6D, and derivs., mixts. containing 958228-60-9, Pyrimisulfan-pyraclonil mixture 958228-62-1, Pyrimisulfan-tefuryltrione mixture 958228-64-3, Pyrimisulfan-imazosulfuron mixture 958228-66-5, Pyrimisulfan-esprocarb mixture 958228-68-7, Pyrimisulfan-metamifop

mixture 958228-69-8, Pyrimisulfan-triaziflam mixture  
 958228-71-2, Pyrimisulfan-pyrazoxyfen mixture 958228-73-4,  
 Pyrimisulfan-2,4-D mixture 958228-74-5, Pyrimisulfan-etobenzanid  
 mixture 958228-75-6, Pyrimisulfan-mesotrione mixture  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (herbicidal compns. comprising difluoromethanesulfonylanilides and  
 other active components)

RN 257871-28-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-  
 pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



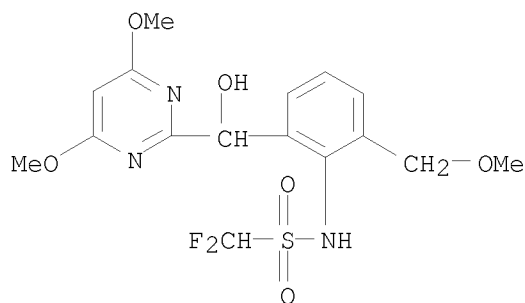
RN 958228-60-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
 (methoxymethyl)phenyl]-1,1-difluoro-, mixt. with  
 1-(3-chloro-4,5,6,7-tetrahydropyrazolo[1,5-a]pyridin-2-yl)-5-(methyl-2-  
 propyn-1-ylamino)-1H-pyrazole-4-carbonitrile (CA INDEX NAME)

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CRN 221205-90-9

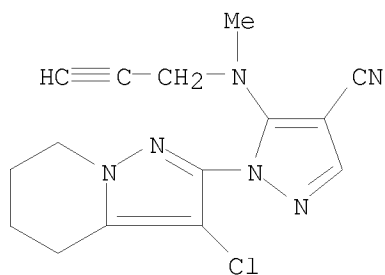
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CM 2

CRN 158353-15-2

CMF C15 H15 Cl N6



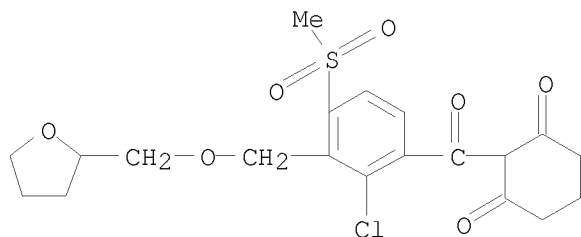
RN 958228-62-1 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[2-chloro-4-(methylsulfonyl)-3-[(tetrahydro-2-furanyl)methoxy]methyl]benzoyl]-1,3-cyclohexanedione (CA INDEX NAME)

CM 1

CRN 473278-76-1

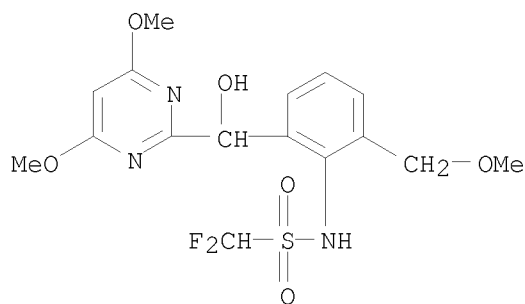
CMF C20 H23 Cl O7 S



CM 2

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

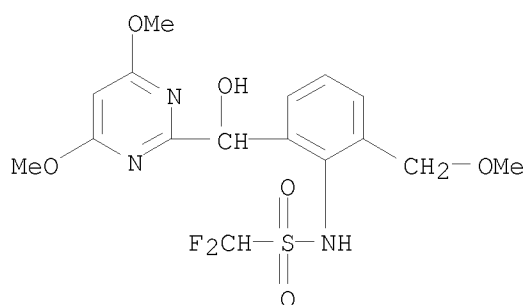


RN 958228-64-3 CAPLUS

CN Imidazo[1,2-a]pyridine-3-sulfonamide, 2-chloro-N-[[[4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

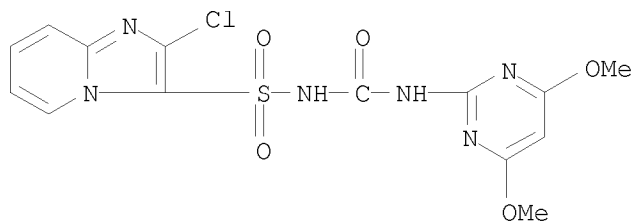
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CRN 221205-90-9  
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CM 2

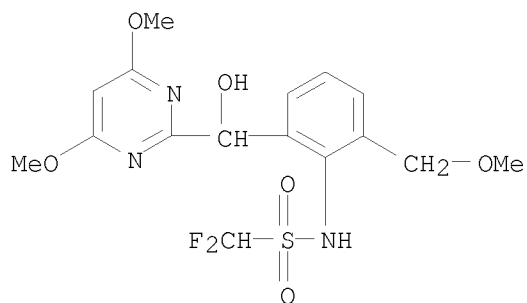
CRN 122548-33-8  
 CMF C14 H13 Cl N6 O5 S



RN 958228-66-5 CAPLUS  
 CN Carbamothioic acid, N-(1,2-dimethylpropyl)-N-ethyl-, S-(phenylmethyl) ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

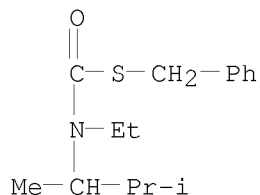
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CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

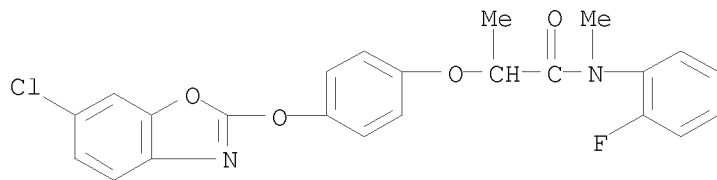
CRN 85785-20-2  
CMF C15 H23 N O S



RN 958228-68-7 CAPLUS  
CN Propanamide, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]-N-(2-fluorophenyl)-N-methyl-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

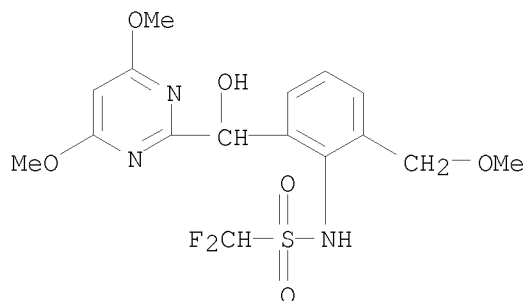
CM 1

CRN 256412-89-2  
CMF C23 H18 Cl F N2 O4



CM 2

CRN 221205-90-9  
CMF C16 H19 F2 N3 O6 S

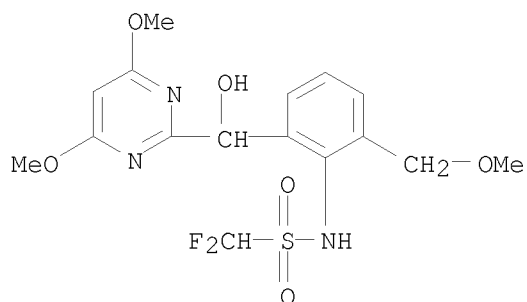


RN 958228-69-8 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with  
N2-[2-(3,5-dimethylphenoxy)-1-methylethyl]-6-(1-fluoro-1-methylethyl)-1,3,5-triazine-2,4-diamine (CA INDEX NAME)

CM 1

CRN 221205-90-9

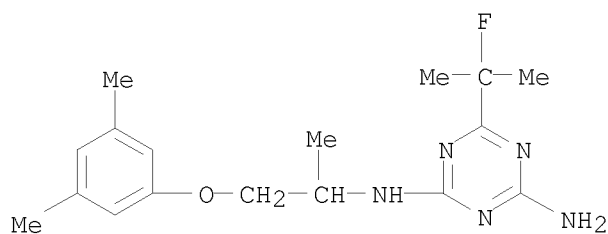
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 131475-57-5

CMF C17 H24 F N5 O



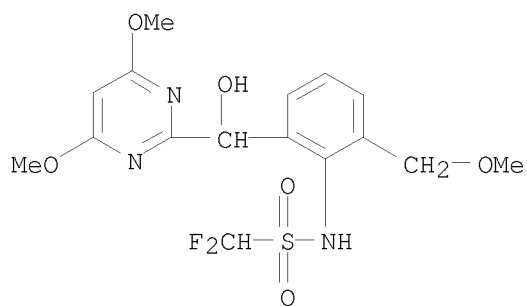
RN 958228-71-2 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]-1-phenylethanone (CA INDEX NAME)

CM 1

CRN 221205-90-9

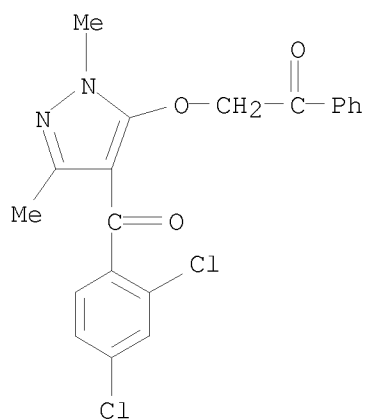
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 71561-11-0

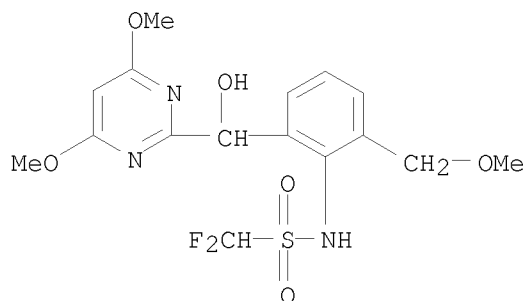
CMF C20 H16 Cl2 N2 O3



RN 958228-73-4 CAPLUS  
 CN Acetic acid, 2-(2,4-dichlorophenoxy)-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
 1,1-difluoromethanesulfonamide (CA INDEX NAME)

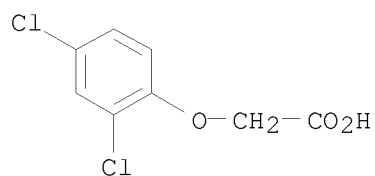
CM 1

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

CRN 94-75-7  
 CMF C8 H6 Cl2 O3



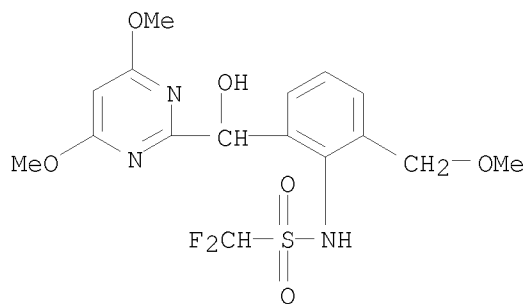
RN 958228-74-5 CAPLUS  
 CN Benzamide, N-(2,3-dichlorophenyl)-4-(ethoxymethoxy)-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-

1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 221205-90-9

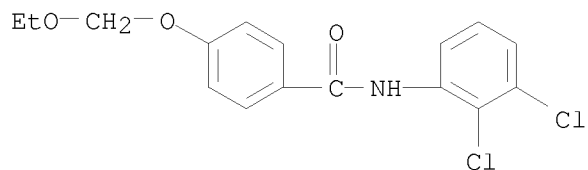
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 79540-50-4

CMF C16 H15 Cl2 N O3



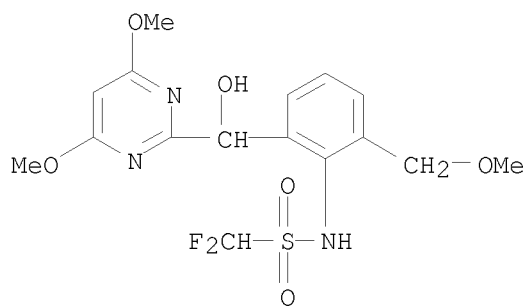
RN 958228-75-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (CA INDEX NAME)

CM 1

CRN 221205-90-9

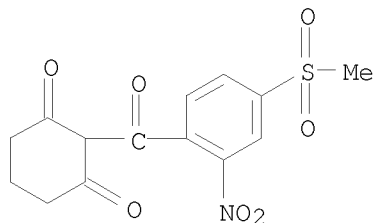
CMF C16 H19 F2 N3 O6 S





CM 2

CRN 104206-82-8  
CMF C14 H13 N O7 S



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 18 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1250774 CAPLUS

DOCUMENT NUMBER: 149:152732

TITLE: Perfluoroethanesulfonyl fluoride: preparation from sultone

AUTHOR(S): Nurgalieva, S. M.; Bispen, T. A.; Il'in, A. N.; Moldavskii, D. D.; Rozhkova, E. A.

CORPORATE SOURCE: Prikladnaya Khimiya Russian Scientific Center, St. Petersburg, Russia

SOURCE: Russian Journal of Applied Chemistry (2007), 80(9), 1562-1565

CODEN: RJACEO; ISSN: 1070-4272

PUBLISHER: Pleiades Publishing, Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 149:152732

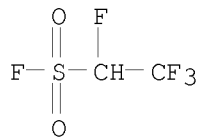
IT 2127-74-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of perfluoroethanesulfonyl fluoride from hexafluoropropene and sulfur trioxide via sultone)

RN 2127-74-4 CAPLUS

CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 19 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1236682 CAPLUS

DOCUMENT NUMBER: 147:504224

TITLE: Selectively reacting olefins having a terminal CF<sub>2</sub> group in a mixture

INVENTOR(S): Nappa, Mario Joseph; Sievert, Allen Capron; Delyagina, Nina Ivanovna; Cherstkov, Victor Filippovich

PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, USA

SOURCE: PCT Int. Appl., 27pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007123786	A1	20071101	WO 2007-US8050	20070403
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: RU 2006-110618 A 20060403

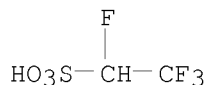
OTHER SOURCE(S): CASREACT 147:504224; MARPAT 147:504224

IT 20705-83-3

RL: NUU (Other use, unclassified); USES (Uses)  
(selective removal agent; selectively reacting olefins having a terminal CF<sub>2</sub> group in a mixture)

RN 20705-83-3 CAPLUS

CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 20 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1090523 CAPLUS

DOCUMENT NUMBER: 147:398668

TITLE: Use of gelsolin to diagnose and treat inflammatory diseases

INVENTOR(S): Stossel, Thomas P.; Magnusson Osborn, Anna Charlotta Teresia; Tarkowski, Andrej

PATENT ASSIGNEE(S): The Brigham Women's Hospital, Inc., USA

SOURCE: PCT Int. Appl., 53pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent  
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

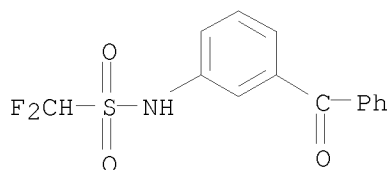
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007109056	A2	20070927	WO 2007-US6451	20070315
WO 2007109056	A3	20071206		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,			

KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN,  
 MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,  
 RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

AU 2007227613 A1 20070927 AU 2007-227613 20070315  
 PRIORITY APPLN. INFO.: US 2006-782508P P 20060315  
 WO 2007-US6451 W 20070315

IT 22737-01-5, Diflumidone Sodium  
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (use of gelsolin to diagnose and treat inflammatory diseases)  
 RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
 (CA INDEX NAME)

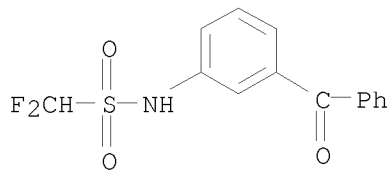


● Na

L17 ANSWER 21 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:1016569 CAPLUS  
 DOCUMENT NUMBER: 148:503081  
 TITLE: Novel drug delivery system  
 INVENTOR(S): Nadkarni, Sunil Sadanand; Vaya, Navin; Karan, Rajesh  
 Singh; Gupta, Vinod Kumar  
 PATENT ASSIGNEE(S): Torrent Pharmaceuticals Limited, India  
 SOURCE: Indian Pat. Appl., 80pp., Addn. of Indian Appl. No.  
 2004MU198.  
 CODEN: INXXBQ  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IN 2005MU01012	A	20070831	IN 2005-MU1012	20050826
PRIORITY APPLN. INFO.:			IN 2004-MU198	A0 20040220

IT 22737-01-5, Diflumidone Sodium  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (novel drug delivery system)  
 RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
 (CA INDEX NAME)



● Na

L17 ANSWER 22 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:816887 CAPLUS

DOCUMENT NUMBER: 147:211737

TITLE: Preparation of benzenesulfonyl-chromane, thiochromane, tetrahydronaphthalene and related gamma secretase inhibitors

INVENTOR(S): Asberom, Theodros; Bara, Thomas; Bennett, Chad E.; Burnett, Duane A.; Caplen, Mary Ann; Clader, John W.; Cole, David J.; Domalski, Martin S.; Josien, Hubert B.; Knutson, Chad E.; Li, Hongmei; McBriar, Mark D.; Pissarnitski, Dmitri A.; Qiang, Li; Rajagopalan, Murali; Sasikumar, Thavalakulamgar K.; Su, Jing; Tang, Haiqun; Wu, Wen-Lian; Xu, Ruo; Zhao, Zhiqiang

PATENT ASSIGNEE(S): Schering Corp., USA

SOURCE: PCT Int. Appl., 465pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007084595	A2	20070726	WO 2007-US1302	20070118
WO 2007084595	A3	20070907		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
AU 2007207481	A1	20070726	AU 2007-207481	20070118
CA 2637897	A1	20070726	CA 2007-2637897	20070118
US 20070197581	A1	20070823	US 2007-654821	20070118
EP 1976843	A2	20081008	EP 2007-716750	20070118
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS			
NO 2008003598	A	20081020	NO 2008-3598	20080819
KR 2008095885	A	20081029	KR 2008-720378	20080820
PRIORITY APPLN. INFO.:			US 2006-760842P	P 20060120
			US 2006-814871P	P 20060619

OTHER SOURCE(S): MARPAT 147:211737

IT 944947-50-6P 944947-51-7P 944947-89-1P

944947-90-4P 944948-19-0P 944948-20-3P

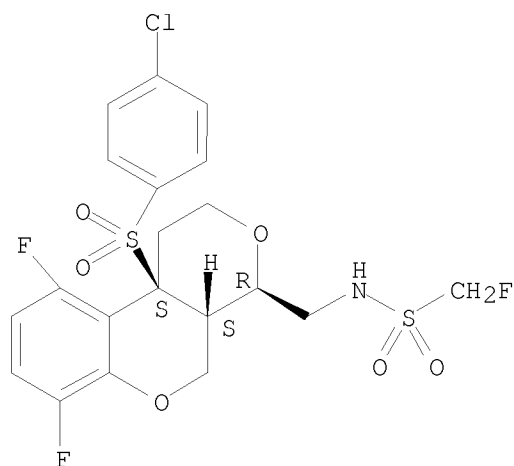
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzenesulfonyl-chromane, thiochromane, tetrahydronaphthalene and related gamma secretase inhibitors)

RN 944947-50-6 CAPLUS

CN Methanesulfonamide, N-[[[(4R,4aS,10bS)-10b-[(4-chlorophenyl)sulfonyl]-7,10-difluoro-1,4a,5,10b-tetrahydro-2H,4H-pyrano[3,4-c][1]benzopyran-4-yl)methyl]-1-fluoro-, rel- (CA INDEX NAME)

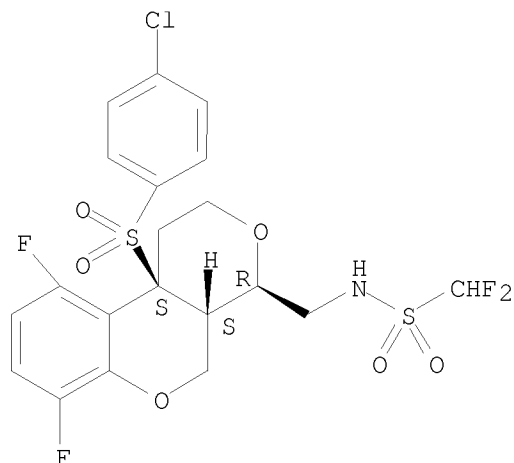
Relative stereochemistry.



RN 944947-51-7 CAPLUS

CN Methanesulfonamide, N-[[[(4R,4aS,10bS)-10b-[(4-chlorophenyl)sulfonyl]-7,10-difluoro-1,4a,5,10b-tetrahydro-2H,4H-pyrano[3,4-c][1]benzopyran-4-yl)methyl]-1,1-difluoro-, rel- (CA INDEX NAME)

Relative stereochemistry.

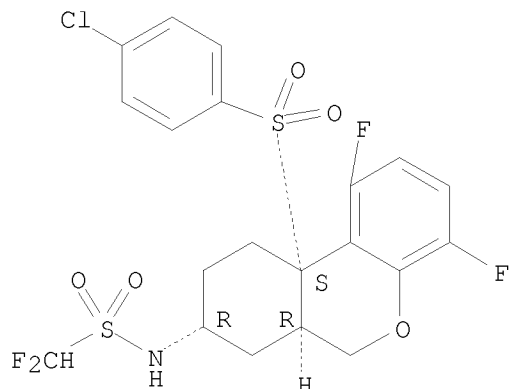


RN 944947-89-1 CAPLUS

CN Methanesulfonamide, N-[(6aR,8R,10aS)-10a-[(4-chlorophenyl)sulfonyl]-1,4-difluoro-6a,7,8,9,10,10a-hexahydro-6H-dibenzo[b,d]pyran-8-yl]-1,1-difluoro-

, rel- (CA INDEX NAME)

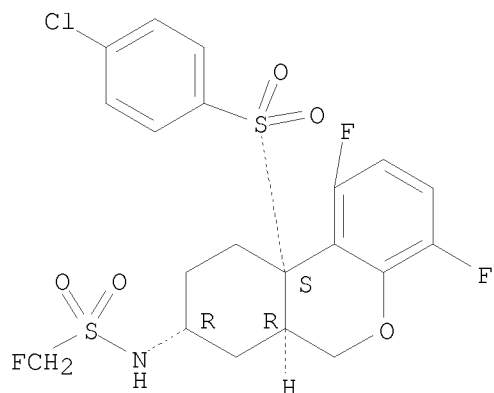
Relative stereochemistry.



RN 944947-90-4 CAPLUS

CN Methanesulfonamide, N-[(6aR,8R,10aS)-10a-[(4-chlorophenyl)sulfonyl]-1,4-difluoro-6a,7,8,9,10,10a-hexahydro-6H-dibenzo[b,d]pyran-8-yl]-1-fluoro-, rel- (CA INDEX NAME)

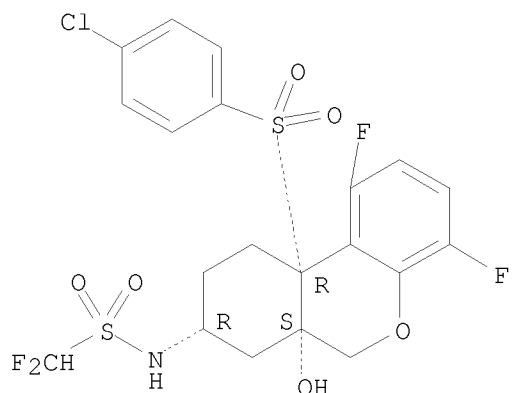
Relative stereochemistry.



RN 944948-19-0 CAPLUS

CN Methanesulfonamide, N-[(6aR,8S,10aS)-10a-[(4-chlorophenyl)sulfonyl]-1,4-difluoro-6a,7,8,9,10,10a-hexahydro-6a-hydroxy-6H-dibenzo[b,d]pyran-8-yl]-1,1-difluoro-, rel- (CA INDEX NAME)

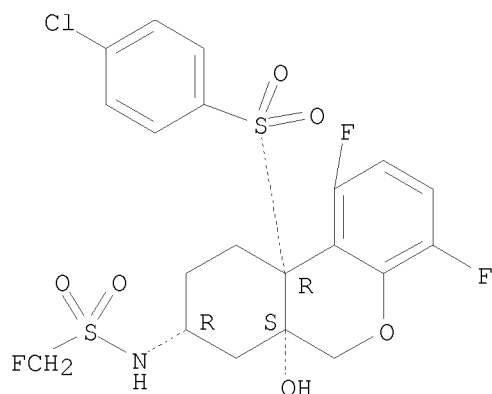
Relative stereochemistry.



RN 944948-20-3 CAPLUS

CN Methanesulfonamide, N-[(6aR,8S,10aS)-10a-[(4-chlorophenyl)sulfonyl]-1,4-difluoro-6a,7,8,9,10,10a-hexahydro-6a-hydroxy-6H-dibenzo[b,d]pyran-8-yl]-1-fluoro-, rel- (CA INDEX NAME)

Relative stereochemistry.



L17 ANSWER 23 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:793455 CAPLUS

DOCUMENT NUMBER: 147:159919

TITLE: Safened synergistic herbicide composition for paddy containing difluoromethanesulfonamide derivatives

INVENTOR(S): Endo, Keiji; Shirakura, Shinichi; Nakamura, Shin; Minegishi, Natsuko

PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany

SOURCE: PCT Int. Appl., 27pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007079965	A2	20070719	WO 2006-EP12502	20061222
WO 2007079965	A3	20081016		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP,  
 KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,  
 MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,  
 RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA  
 JP 2007186460 A 20070726 JP 2006-6422 20060113  
 EP 1976384 A2 20081008 EP 2006-841143 20061222  
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL,  
 BA, HR, MK, RS  
 US 20070167328 A1 20070719 US 2007-622514 20070112  
 KR 2008091358 A 20081010 KR 2008-718782 20080730  
 PRIORITY APPLN. INFO.: JP 2006-6422 A 20060113  
 WO 2006-EP12502 W 20061222

OTHER SOURCE(S): MARPAT 147:159919

IT 943906-08-9 943906-09-0 943906-10-3  
 943906-11-4 943906-12-5 943906-13-6  
 943906-14-7 943906-15-8 943906-16-9

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (safened herbicide composition for paddy)

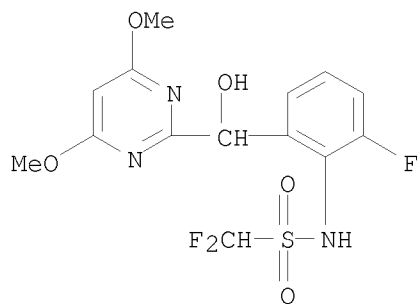
RN 943906-08-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
 fluorophenyl]-1,1-difluoro-, mixt. with  
 N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (CA INDEX NAME)

CM 1

CRN 866128-66-7

CMF C14 H14 F3 N3 O5 S

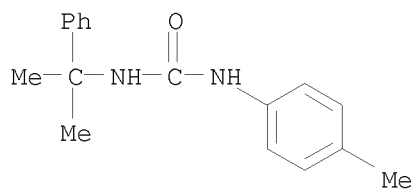


CM 2

CRN 42609-52-9

CMF C17 H20 N2 O

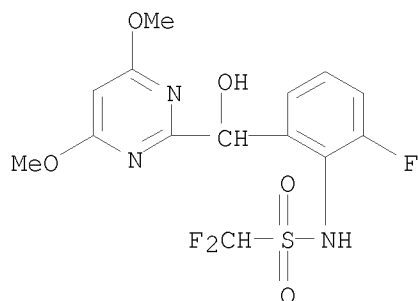




RN 943906-09-0 CAPLUS  
 CN 1H-Pyrazole-3,5-dicarboxylic acid,  
 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, 3,5-diethyl ester, mixt.  
 with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-  
 difluoromethanesulfonamide (CA INDEX NAME)

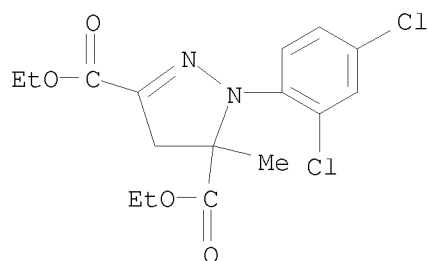
CM 1

CRN 866128-66-7  
 CMF C14 H14 F3 N3 O5 S



CM 2

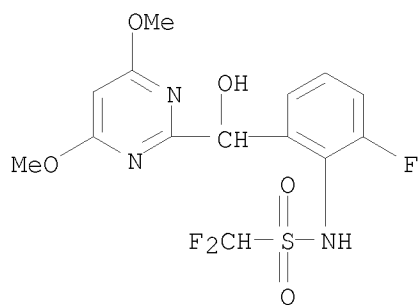
CRN 135590-91-9  
 CMF C16 H18 Cl2 N2 O4



RN 943906-10-3 CAPLUS  
 CN 3-Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-  
 difluoromethanesulfonamide (CA INDEX NAME)

CM 1

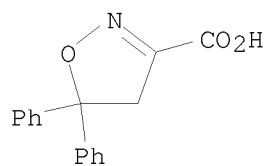
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 CMF C14 H14 F3 N3 O5 S



CM 2

CRN 209866-92-2

CMF C16 H13 N O3



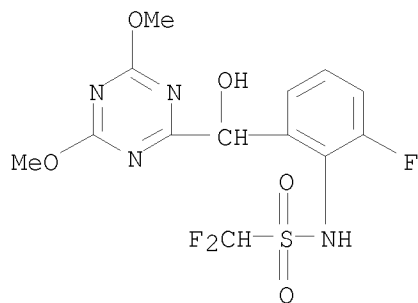
RN 943906-11-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoro-, mixt. with N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (CA INDEX NAME)

CM 1

CRN 866128-67-8

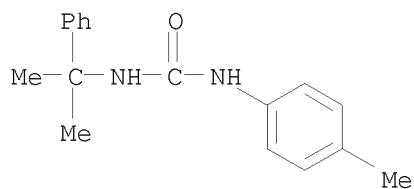
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 42609-52-9

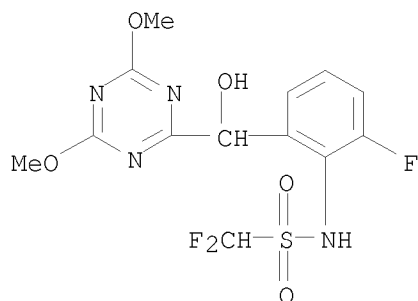
CMF C17 H20 N2 O



RN 943906-12-5 CAPLUS  
 CN 1H-Pyrazole-3,5-dicarboxylic acid,  
 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, 3,5-diethyl ester, mixt.  
 with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-  
 fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

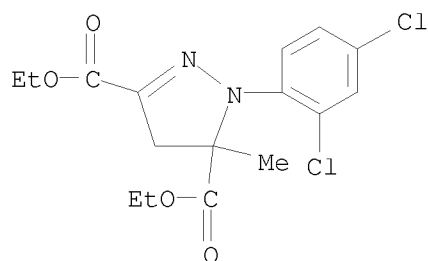
CM 1

CRN 866128-67-8  
 CMF C13 H13 F3 N4 O5 S



CM 2

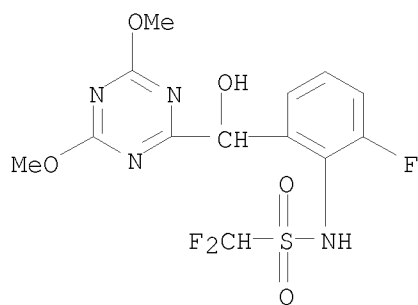
CRN 135590-91-9  
 CMF C16 H18 Cl2 N2 O4



RN 943906-13-6 CAPLUS  
 CN 3-Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, mixt. with  
 N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-  
 difluoromethanesulfonamide (CA INDEX NAME)

CM 1

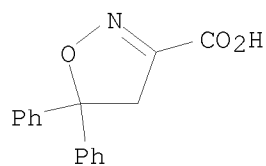
CRN 866128-67-8  
 CMF C13 H13 F3 N4 O5 S



CM 2

CRN 209866-92-2

CMF C16 H13 N O3



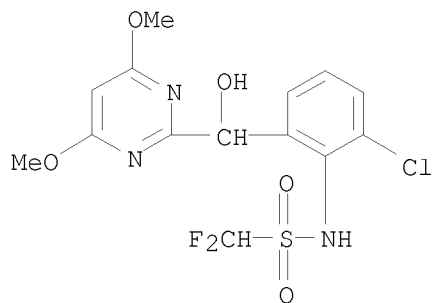
RN 943906-14-7 CAPLUS

CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro-, mixt. with N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (CA INDEX NAME)

CM 1

CRN 866128-68-9

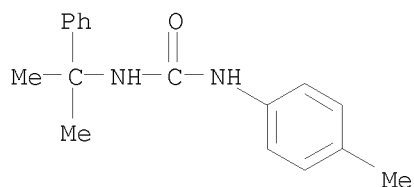
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 42609-52-9

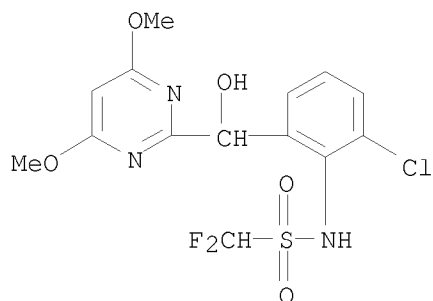
CMF C17 H20 N2 O



RN 943906-15-8 CAPLUS  
 CN 1H-Pyrazole-3,5-dicarboxylic acid,  
 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, 3,5-diethyl ester, mixt.  
 with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-  
 difluoromethanesulfonamide (CA INDEX NAME)

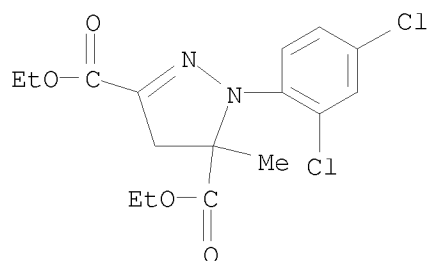
CM 1

CRN 866128-68-9  
 CMF C14 H14 Cl F2 N3 O5 S



CM 2

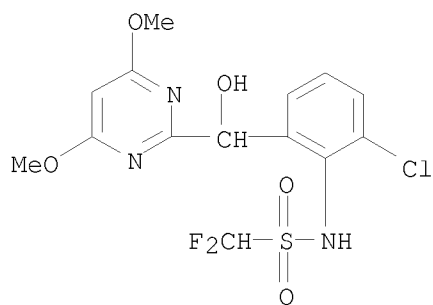
CRN 135590-91-9  
 CMF C16 H18 Cl2 N2 O4



RN 943906-16-9 CAPLUS  
 CN 3-Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, mixt. with  
 N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-  
 difluoromethanesulfonamide (CA INDEX NAME)

CM 1

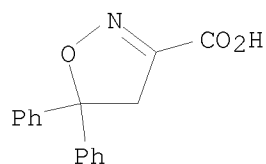
CRN 866128-68-9  
 CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 209866-92-2

CMF C16 H13 N O3



IT 943905-63-3 943905-64-4 943905-65-5  
 943905-66-6 943905-67-7 943905-68-8  
 943905-69-9 943905-70-2 943905-71-3  
 943905-72-4 943905-73-5 943905-74-6  
 943905-75-7 943905-76-8 943905-77-9

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (safened synergistic herbicide composition for paddy)

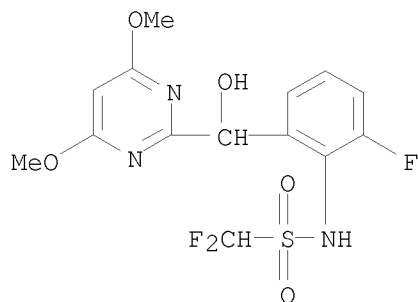
RN 943905-63-3 CAPLUS

CN Phosphorodithioic acid, S-[2-[(4-chlorophenyl)(1-methylethyl)amino]-2-oxoethyl] O,O-dimethyl ester, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

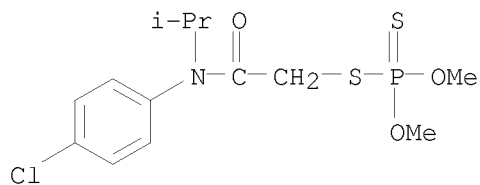
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 64249-01-0

CMF C13 H19 Cl N O3 P S2



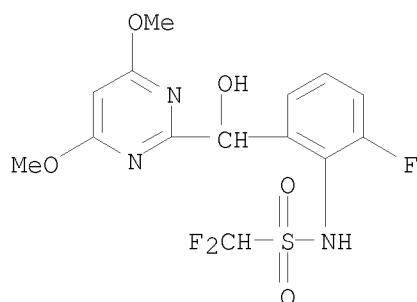
RN 943905-64-4 CAPLUS

CN Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

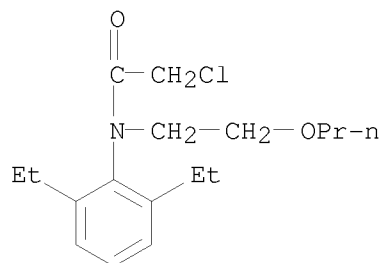
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 51218-49-6

CMF C17 H26 Cl N O2



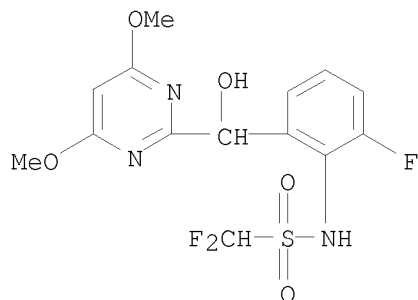
RN 943905-65-5 CAPLUS

CN 1H-1,2,4-Triazole-1-carboxamide, N,N-diethyl-3-[(2,4,6-trimethylphenyl)sulfonyl]-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

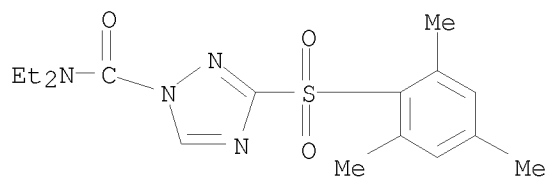
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 125306-83-4

CMF C16 H22 N4 O3 S



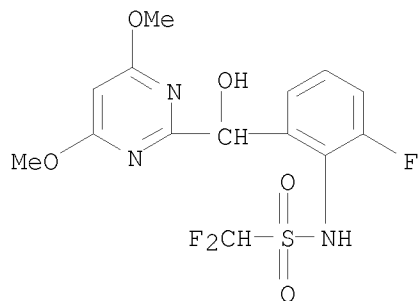
RN 943905-66-6 CAPLUS

CN Propanoic acid, 2-[4-(4-cyano-2-fluorophenoxy)phenoxy]-, butyl ester, (2R)-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

CMF C14 H14 F3 N3 O5 S

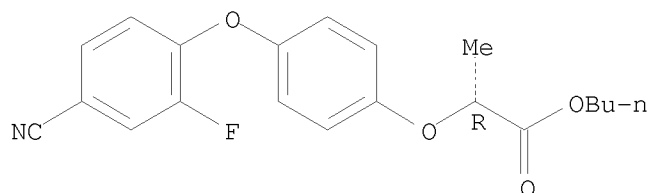


CM 2



CRN 122008-85-9  
CMF C20 H20 F N O4

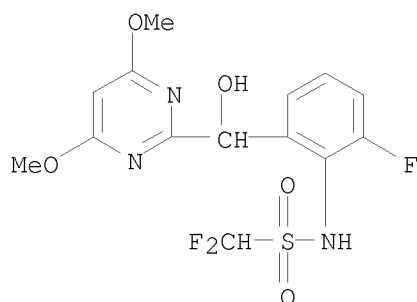
Absolute stereochemistry.



RN 943905-67-7 CAPLUS  
CN Benzenesulfonamide, 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-6-(trifluoromethyl)-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

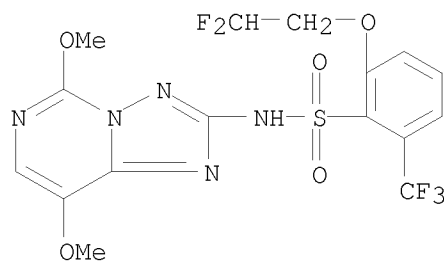
CM 1

CRN 866128-66-7  
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 219714-96-2  
CMF C16 H14 F5 N5 O5 S

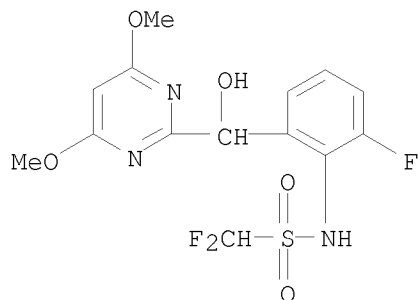


RN 943905-68-8 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoro-, mixt. with 1-(3-chloro-4,5,6,7-tetrahydropyrazolo[1,5-a]pyridin-2-yl)-5-(methyl-2-propyn-1-ylamino)-1H-pyrazole-4-carbonitrile (CA INDEX NAME)

CM 1

CRN 866128-66-7

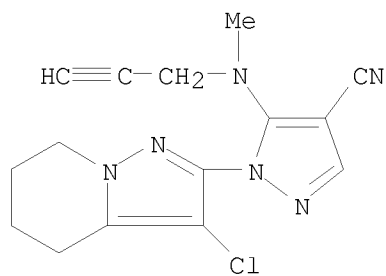
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 158353-15-2

CMF C15 H15 Cl N6



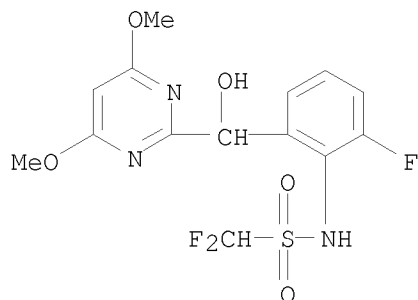
RN 943905-69-9 CAPLUS

CN Benzoic acid, 2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]-, sodium salt (1:1), mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

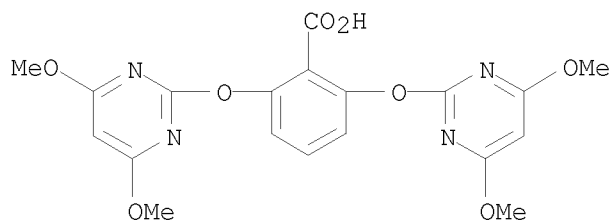
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 125401-92-5

CMF C19 H18 N4 O8 . Na



● Na

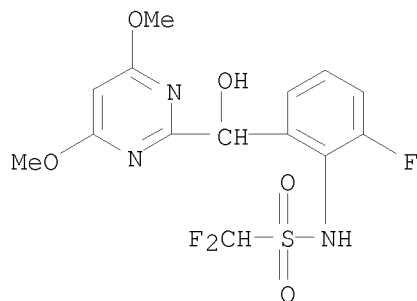
RN 943905-70-2 CAPLUS

CN 1H-Tetrazole-1-carboxamide, 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

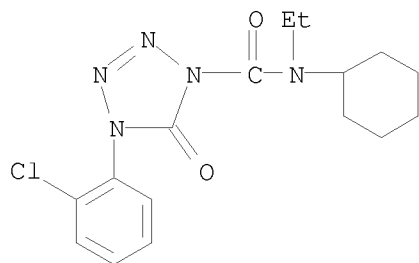
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 158237-07-1

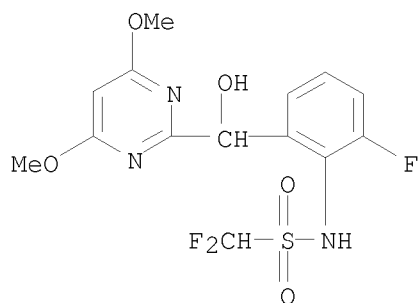
CMF C16 H20 Cl N5 O2



RN 943905-71-3 CAPLUS  
 CN Acetamide, 2-(2-benzothiazolyloxy)-N-methyl-N-phenyl-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-  
 difluoromethanesulfonamide (CA INDEX NAME)

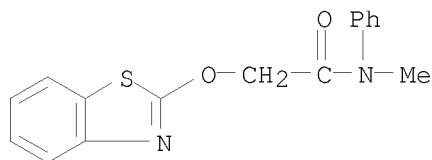
CM 1

CRN 866128-66-7  
 CMF C14 H14 F3 N3 O5 S



CM 2

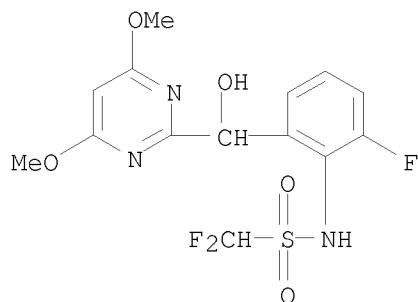
CRN 73250-68-7  
 CMF C16 H14 N2 O2 S



RN 943905-72-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
 fluorophenyl]-1,1-difluoro-, mixt. with  
 3-[1-(3,5-dichlorophenyl)-1-methylethyl]-2,3-dihydro-6-methyl-5-phenyl-4H-  
 1,3-oxazin-4-one (CA INDEX NAME)

CM 1

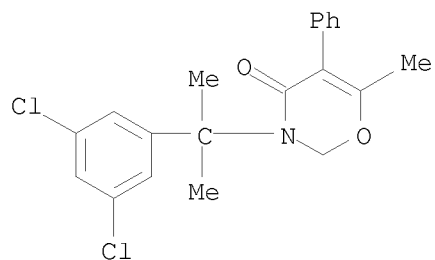
CRN 866128-66-7  
 CMF C14 H14 F3 N3 O5 S



CM 2

CRN 153197-14-9

CMF C20 H19 Cl2 N O2



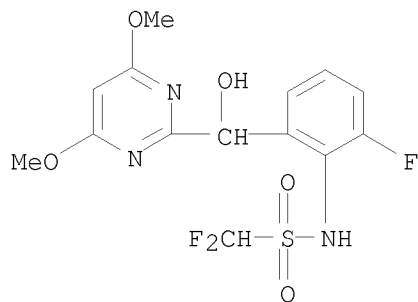
RN 943905-73-5 CAPLUS

CN Ethanesulfonic acid, 2,3-dihydro-3,3-dimethyl-5-benzofuranyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

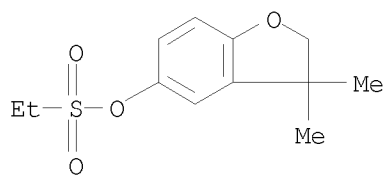
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 68505-69-1

CMF C12 H16 O4 S



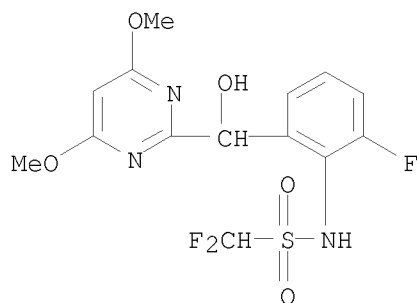
RN 943905-74-6 CAPLUS

CN Benzoic acid, 2-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]methyl]-, methyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

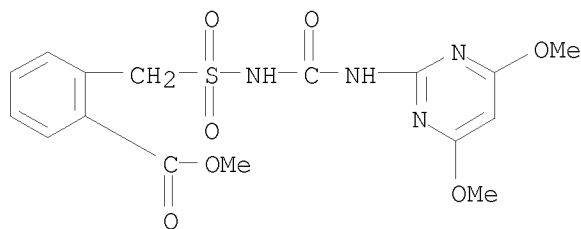
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 83055-99-6

CMF C16 H18 N4 O7 S



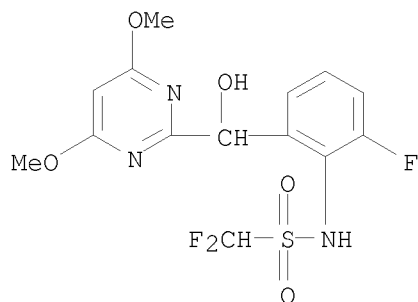
RN 943905-75-7 CAPLUS

CN Sulfamic acid, N-[[2-ethoxyphenyl]amino]carbonyl]-, 2-ethoxyphenyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

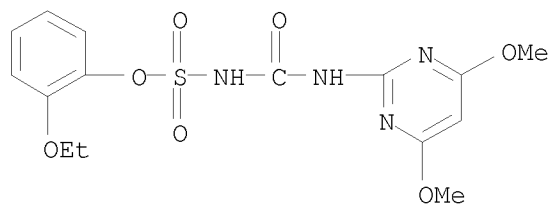
CMF C14 H14 F3 N3 O5 S



CM 2

CRN 126801-58-9

CMF C15 H18 N4 O7 S



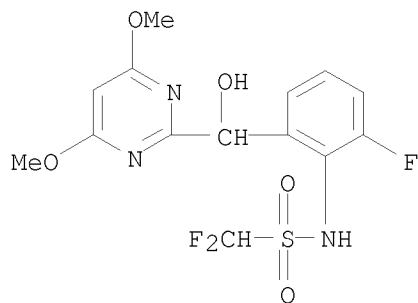
RN 943905-76-8 CAPLUS

CN Butanamide, 2-bromo-3,3-dimethyl-N-(1-methyl-1-phenylethyl)-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-  
difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-66-7

CMF C14 H14 F3 N3 O5 S



CM 2

CRN 74712-19-9

CMF C15 H22 Br N O

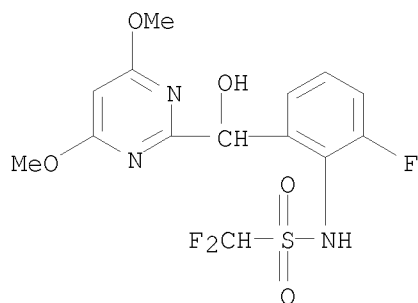
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RN      943905-77-9   CAPLUS
CN      Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-
        fluorophenyl]-1,1-difluoro-, mixt. with
        2-[2-chloro-4-(methylsulfonyl)-3-[[ (tetrahydro-2-
        furanyl)methoxy]methyl]benzoyl]-3-hydroxy-2-cyclohexen-1-one   (CA INDEX
        NAME)

CM      1

CRN     866128-66-7
CMF     C14 H14 F3 N3 O5 S

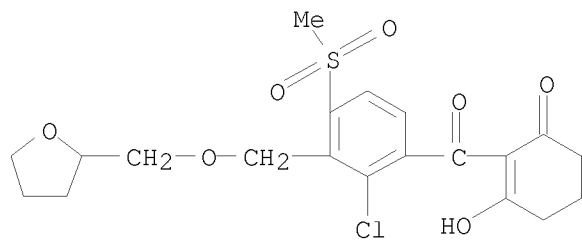
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CM 2

CRN 473545-76-5

CMF C20 H23 Cl O7 S



IT	943905-78-0	943905-79-1	943905-80-4
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	943905-84-8	943905-85-9	943905-86-0
	943905-87-1	943905-88-2	943905-89-3
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	943906-05-6	943906-06-7	943906-07-8
	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)		



(synergistic herbicide composition for paddy)

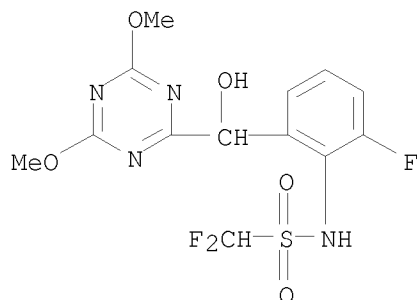
RN 943905-78-0 CAPLUS

CN Phosphorodithioic acid, S-[2-[(4-chlorophenyl)(1-methylethyl)amino]-2-oxoethyl] O,O-dimethyl ester, mixt. with  
N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8

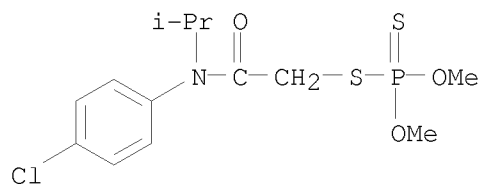
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 64249-01-0

CMF C13 H19 Cl N O3 P S2



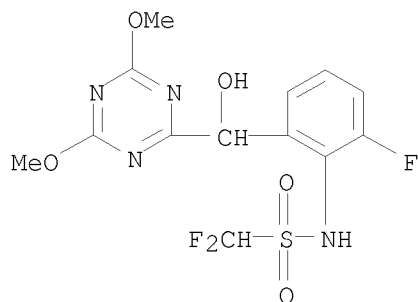
RN 943905-79-1 CAPLUS

CN Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)-, mixt. with  
N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8

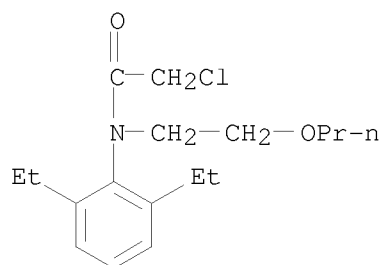
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 51218-49-6

CMF C17 H26 Cl N O2



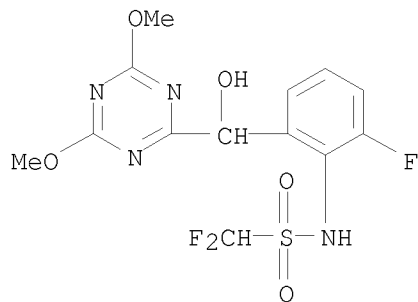
RN 943905-80-4 CAPLUS

CN 1H-1,2,4-Triazole-1-carboxamide, N,N-diethyl-3-[(2,4,6-trimethylphenyl)sulfonyl]-, mixt. with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8

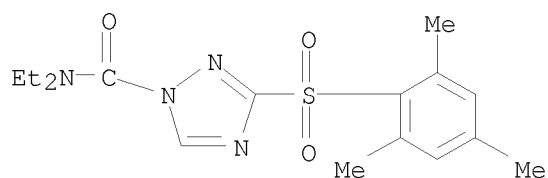
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 125306-83-4

CMF C16 H22 N4 O3 S



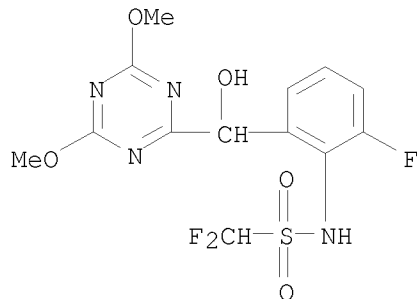
RN 943905-81-5 CAPLUS

CN Propanoic acid, 2-[4-(4-cyano-2-fluorophenoxy)phenoxy]-, butyl ester, (2R)-, mixt. with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8

CMF C13 H13 F3 N4 O5 S

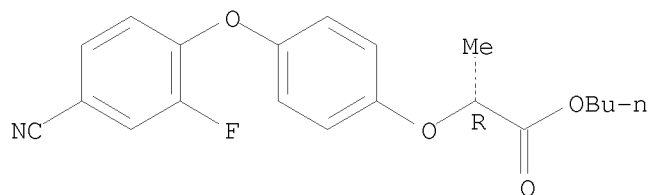


CM 2

CRN 122008-85-9

CMF C20 H20 F N O4

Absolute stereochemistry.



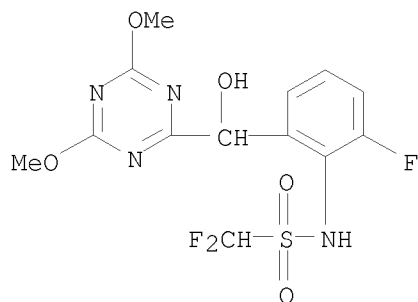
RN 943905-82-6 CAPLUS

CN Benzenesulfonamide, 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-6-(trifluoromethyl)-, mixt. with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8

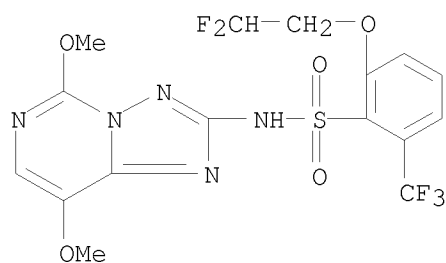
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 219714-96-2

CMF C16 H14 F5 N5 O5 S



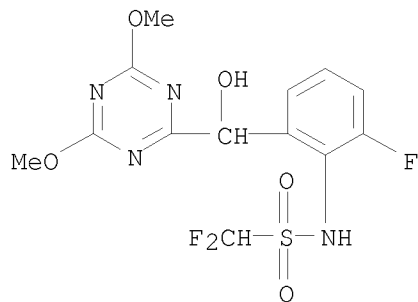
RN 943905-83-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoro-, mixt. with 1-(3-chloro-4,5,6,7-tetrahydropyrazolo[1,5-a]pyridin-2-yl)-5-(methyl-2-propyn-1-ylamino)-1H-pyrazole-4-carbonitrile (CA INDEX NAME)

CM 1

CRN 866128-67-8

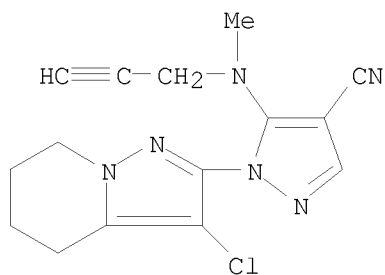
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 158353-15-2

CMF C15 H15 Cl N6



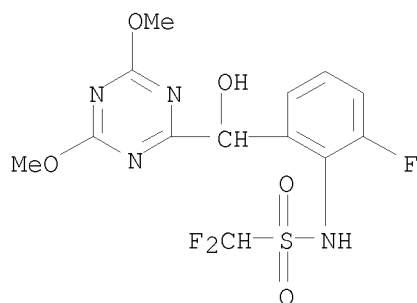
RN 943905-84-8 CAPLUS

CN Benzoic acid, 2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]-, sodium salt (1:1), mixt. with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8

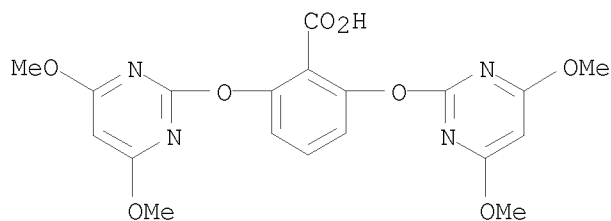
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 125401-92-5

CMF C19 H18 N4 O8 . Na



● Na

RN 943905-85-9 CAPLUS

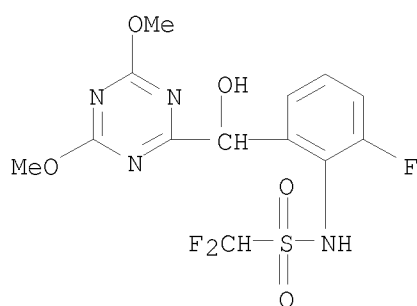
CN 1H-Tetrazole-1-carboxamide, 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-

yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8

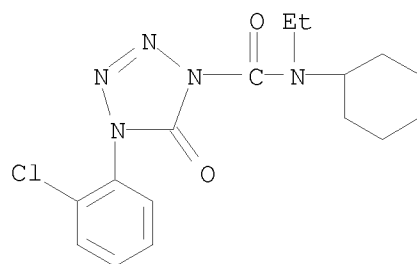
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 158237-07-1

CMF C16 H20 Cl1 N5 O2



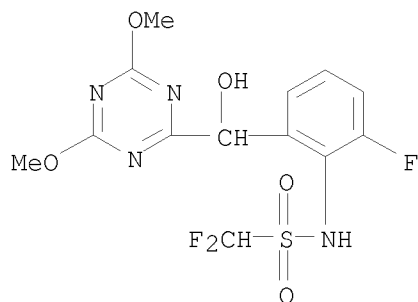
RN 943905-86-0 CAPLUS

CN Acetamide, 2-(2-benzothiazolyloxy)-N-methyl-N-phenyl-, mixt. with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8

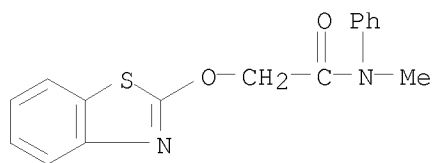
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 73250-68-7

CMF C16 H14 N2 O2 S



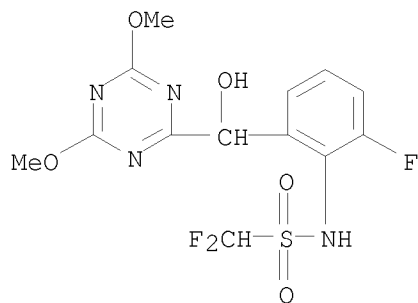
RN 943905-87-1 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoro-, mixt. with 3-[1-(3,5-dichlorophenyl)-1-methylethyl]-2,3-dihydro-6-methyl-5-phenyl-4H-1,3-oxazin-4-one (CA INDEX NAME)

CM 1

CRN 866128-67-8

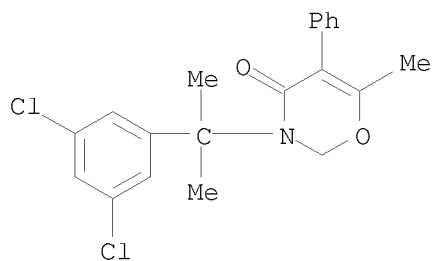
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 153197-14-9

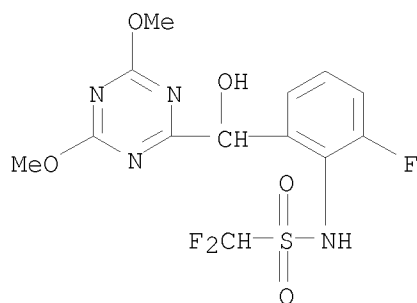
CMF C20 H19 Cl2 N O2



RN 943905-88-2 CAPLUS  
 CN Ethanesulfonic acid, 2,3-dihydro-3,3-dimethyl-5-benzofuranyl ester, mixt.  
 with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-  
 fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

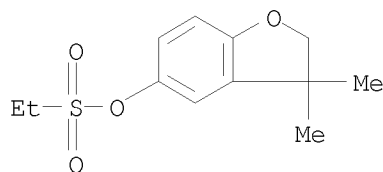
CM 1

CRN 866128-67-8  
 CMF C13 H13 F3 N4 O5 S



CM 2

CRN 68505-69-1  
 CMF C12 H16 O4 S

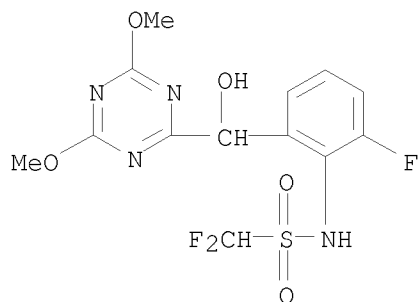


RN 943905-89-3 CAPLUS  
 CN Benzoic acid, 2-[[[[(4,6-dimethoxy-2-  
 pyrimidinyl)amino]carbonyl]amino]sulfonyl]methyl]-, methyl ester, mixt.  
 with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-  
 fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8  
 CMF C13 H13 F3 N4 O5 S

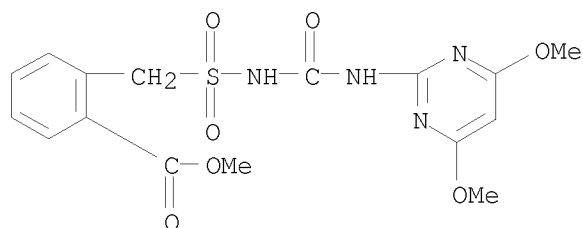




CM 2

CRN 83055-99-6

CMF C16 H18 N4 O7 S



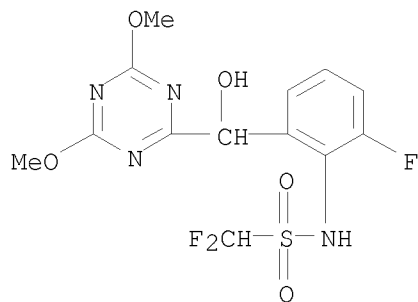
RN 943905-90-6 CAPLUS

CN Sulfamic acid, N-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-, 2-ethoxyphenyl ester, mixt. with N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-67-8

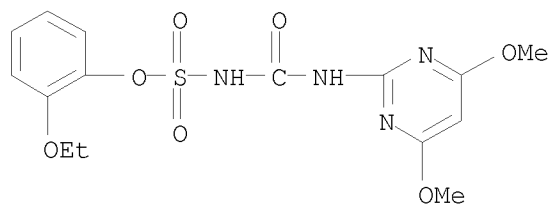
CMF C13 H13 F3 N4 O5 S



CM 2

CRN 126801-58-9

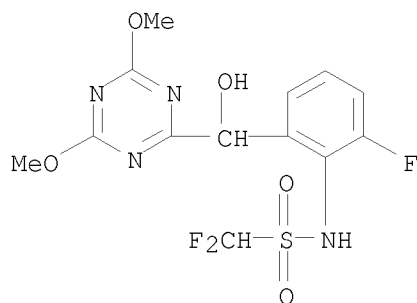
CMF C15 H18 N4 O7 S



RN 943905-91-7 CAPLUS  
 CN Butanamide, 2-bromo-3,3-dimethyl-N-(1-methyl-1-phenylethyl)-, mixt. with  
 N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-  
 difluoromethanesulfonamide (CA INDEX NAME)

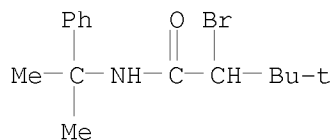
CM 1

CRN 866128-67-8  
 CMF C13 H13 F3 N4 O5 S



CM 2

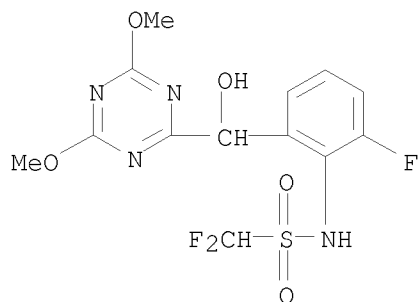
CRN 74712-19-9  
 CMF C15 H22 Br N O



RN 943905-92-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-  
 6-fluorophenyl]-1,1-difluoro-, mixt. with  
 2-[2-chloro-4-(methylsulfonyl)-3-[(tetrahydro-2-  
 furanyl)methoxy]methyl]benzoyl]-3-hydroxy-2-cyclohexen-1-one (CA INDEX  
 NAME)

CM 1

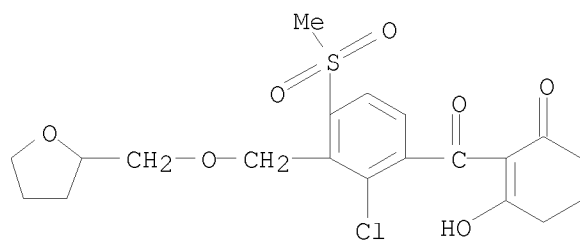
CRN 866128-67-8  
 CMF C13 H13 F3 N4 O5 S



CM 2

CRN 473545-76-5

CMF C20 H23 Cl O7 S



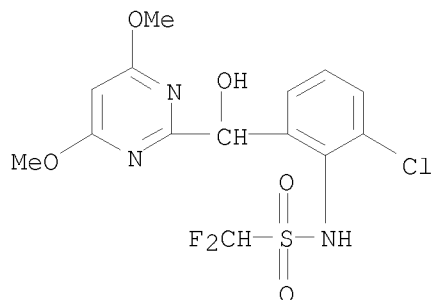
RN 943905-93-9 CAPLUS

CN Phosphorodithioic acid, S-[2-[(4-chlorophenyl)(1-methylethyl)amino]-2-oxoethyl] O,O-dimethyl ester, mixt. with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-68-9

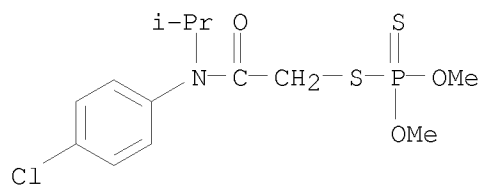
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 64249-01-0

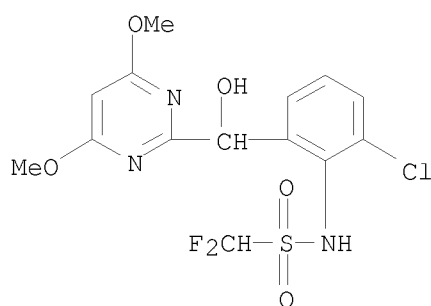
CMF C13 H19 Cl N O3 P S2



RN 943905-94-0 CAPLUS  
 CN Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)-, mixt. with  
 N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-  
 difluoromethanesulfonamide (CA INDEX NAME)

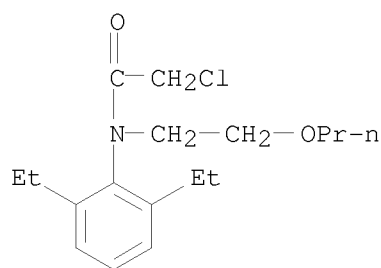
CM 1

CRN 866128-68-9  
 CMF C14 H14 Cl F2 N3 O5 S



CM 2

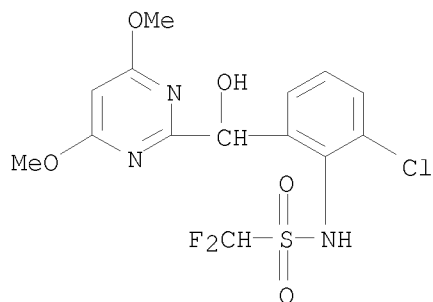
CRN 51218-49-6  
 CMF C17 H26 Cl N O2



RN 943905-95-1 CAPLUS  
 CN 1H-1,2,4-Triazole-1-carboxamide, N,N-diethyl-3-[(2,4,6-  
 trimethylphenyl)sulfonyl]-, mixt. with  
 N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-  
 difluoromethanesulfonamide (CA INDEX NAME)

CM 1

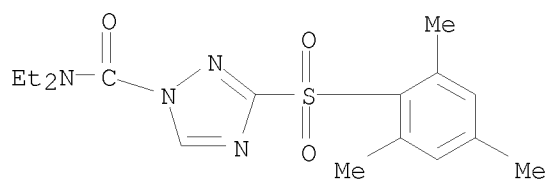
CRN 866128-68-9  
 CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 125306-83-4

CMF C16 H22 N4 O3 S



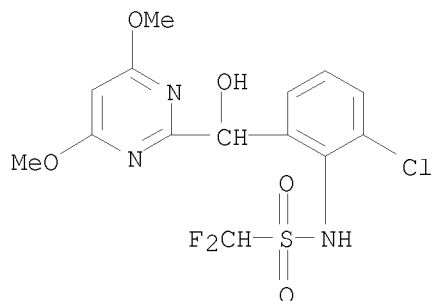
RN 943905-96-2 CAPLUS

CN Propanoic acid, 2-[4-(4-cyano-2-fluorophenoxy)phenoxy]-, butyl ester, (2R)-, mixt. with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-68-9

CMF C14 H14 Cl F2 N3 O5 S

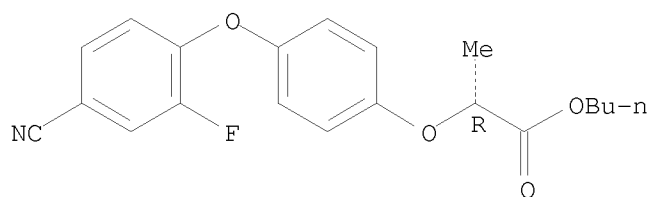


CM 2

CRN 122008-85-9

CMF C20 H20 F N O4

Absolute stereochemistry.



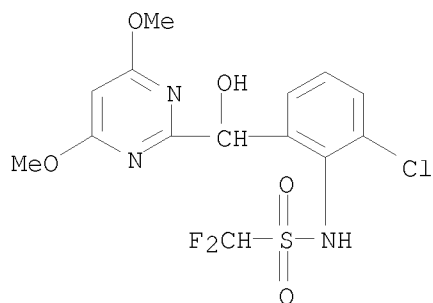
RN 943905-97-3 CAPLUS

CN Benzenesulfonamide, 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-6-(trifluoromethyl)-, mixt. with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-68-9

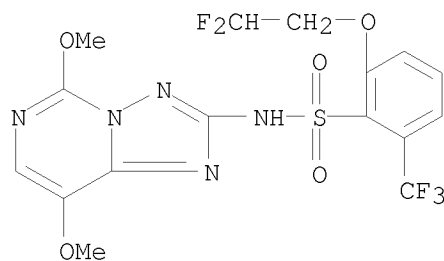
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 219714-96-2

CMF C16 H14 F5 N5 O5 S



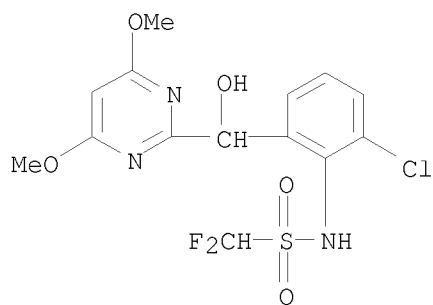
RN 943905-98-4 CAPLUS

CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro-, mixt. with 1-(3-chloro-4,5,6,7-tetrahydropyrazolo[1,5-a]pyridin-2-yl)-5-(methyl-2-propyn-1-ylamino)-1H-pyrazole-4-carbonitrile (CA INDEX NAME)

CM 1

CRN 866128-68-9

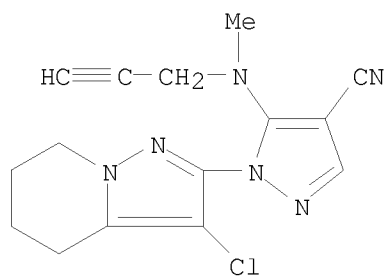
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 158353-15-2

CMF C15 H15 Cl N6



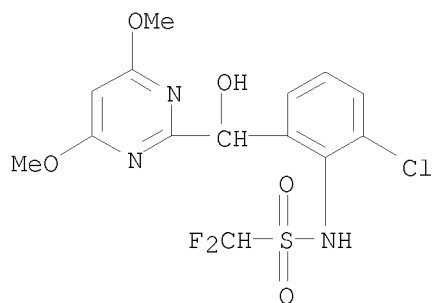
RN 943905-99-5 CAPLUS

CN Benzoic acid, 2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]-, sodium salt (1:1), mixt. with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

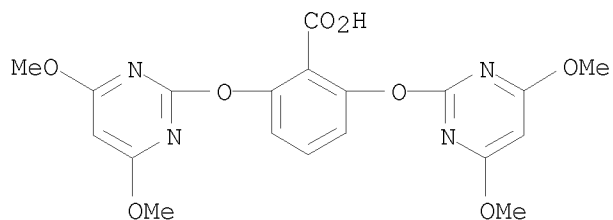
CRN 866128-68-9

CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 125401-92-5  
 CMF C19 H18 N4 O8 . Na

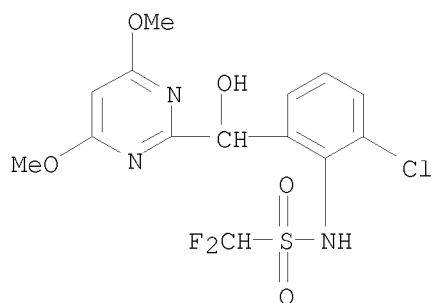


● Na

RN 943906-00-1 CAPLUS  
 CN 1H-Tetrazole-1-carboxamide, 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-, mixt. with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

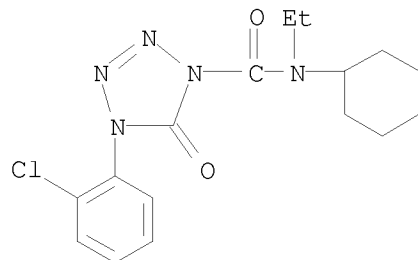
CM 1

CRN 866128-68-9  
 CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 158237-07-1  
 CMF C16 H20 Cl N5 O2



RN 943906-01-2 CAPLUS

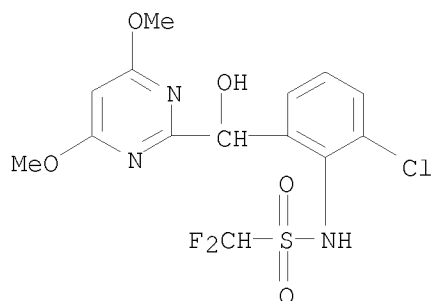


CN Acetamide, 2-(2-benzothiazolyloxy)-N-methyl-N-phenyl-, mixt. with  
N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-  
difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-68-9

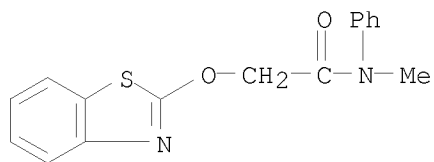
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 73250-68-7

CMF C16 H14 N2 O2 S



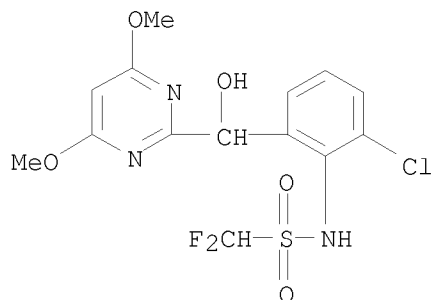
RN 943906-02-3 CAPLUS

CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-2-  
pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro-, mixt. with  
3-[1-(3,5-dichlorophenyl)-1-methylethyl]-2,3-dihydro-6-methyl-5-phenyl-4H-  
1,3-oxazin-4-one (CA INDEX NAME)

CM 1

CRN 866128-68-9

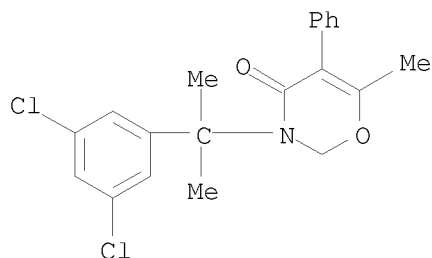
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 153197-14-9

CMF C20 H19 C12 N O2



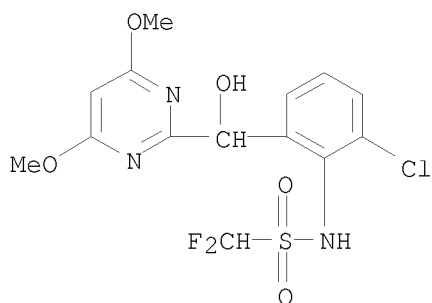
RN 943906-03-4 CAPLUS

CN Ethanesulfonic acid, 2,3-dihydro-3,3-dimethyl-5-benzofuranyl ester, mixt. with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-68-9

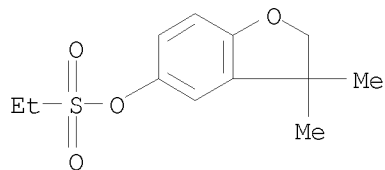
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 68505-69-1

CMF C12 H16 O4 S



RN 943906-04-5 CAPLUS

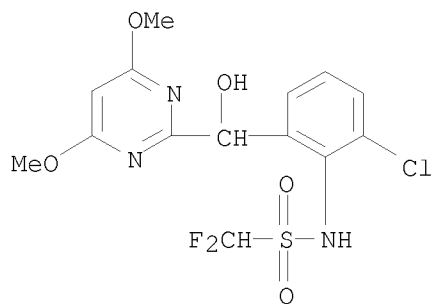
CN Benzoic acid, 2-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]methyl]-, methyl ester, mixt. with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoromethanesulfonamide

difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-68-9

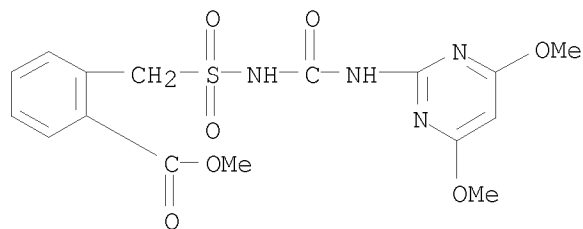
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 83055-99-6

CMF C16 H18 N4 O7 S



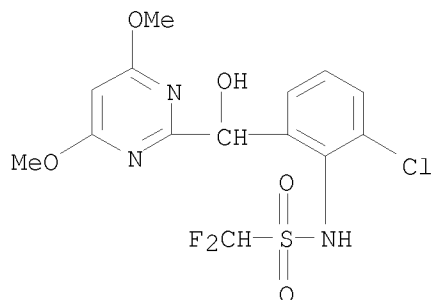
RN 943906-05-6 CAPLUS

CN Sulfamic acid, N-[[[4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-, 2-ethoxyphenyl ester, mixt. with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-68-9

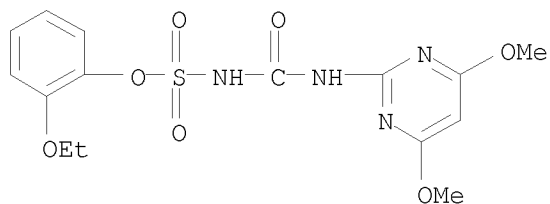
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 126801-58-9

CMF C15 H18 N4 O7 S



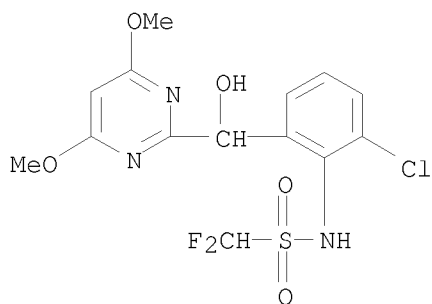
RN 943906-06-7 CAPLUS

CN Butanamide, 2-bromo-3,3-dimethyl-N-(1-methyl-1-phenylethyl)-, mixt. with N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 866128-68-9

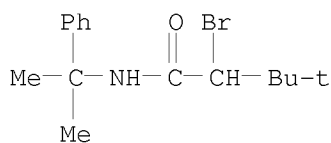
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 74712-19-9

CMF C15 H22 Br N O



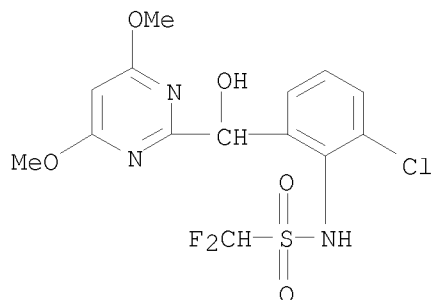
RN 943906-07-8 CAPLUS

CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro-, mixt. with 2-[2-chloro-4-(methylsulfonyl)-3-[[tetrahydro-2-furanyl)methoxy]methyl]benzoyl]-3-hydroxy-2-cyclohexen-1-one (CA INDEX NAME)

CM 1

CRN 866128-68-9

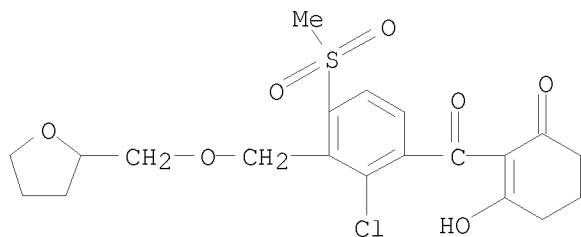
CMF C14 H14 Cl F2 N3 O5 S



CM 2

CRN 473545-76-5

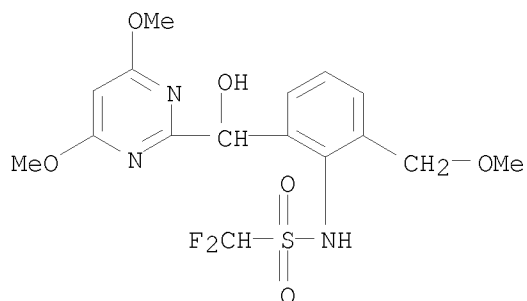
CMF C20 H23 Cl O7 S



IT 221205-90-9D, Pyrimisulfan, mixts. with  
d\ifluoromethanesulfonamide derivs. and safeners 866128-66-7D,  
mixts. containing 866128-67-8D, mixts. containing 866128-68-9D  
, mixts. containing  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic herbicide compns. for paddy)

RN 221205-90-9 CAPLUS

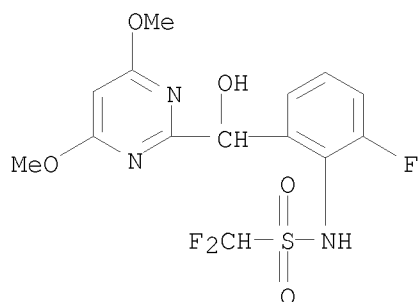
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 866128-66-7 CAPLUS

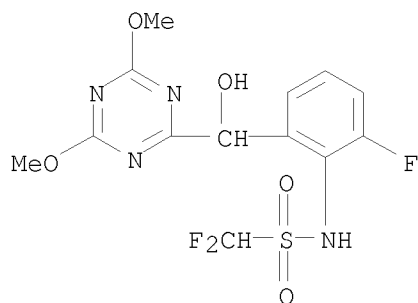
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-

fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



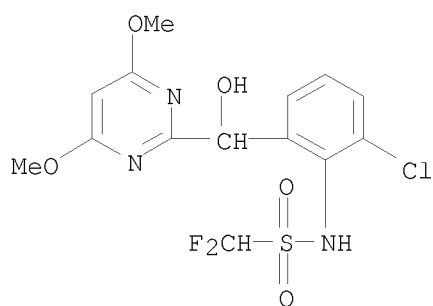
RN 866128-67-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 866128-68-9 CAPLUS

CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 24 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:787005 CAPLUS

DOCUMENT NUMBER: 147:156640

TITLE: Preparation of anionic fluorine compounds having S-F and/or P-F bonds as ionic liquids

INVENTOR(S): Kikuta, Manabu; Uchimura, Hirofumi; Hatakeyama, Akiyoshi

PATENT ASSIGNEE(S): Daiichi Kogyo Seiyaku Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8pp.

DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007182410	A	20070719	JP 2006-2996	20060110
PRIORITY APPLN. INFO.:			JP 2006-2996	20060110

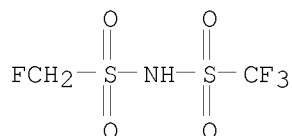
OTHER SOURCE(S): MARPAT 147:156640

IT 943756-43-2P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (preparation of anionic fluorine compds. having S-F and/or P-F bonds as electrolytes and electrolytic solns. by halogen-exchange fluorination with basic catalysts)

RN 943756-43-2 CAPLUS

CN Methanesulfonamide, 1,1,1-trifluoro-N-[(fluoromethyl)sulfonyl]-, potassium salt (1:1) (CA INDEX NAME)



● K

L17 ANSWER 25 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:769872 CAPLUS

DOCUMENT NUMBER: 148:387155

TITLE: Novel dosage form

INVENTOR(S): Nadkarni, Sunil Sadanand; Vaya, Navin; Karan, Rajesh Singh; Gupta, Vinod Kumar

PATENT ASSIGNEE(S): Torrent Pharmaceuticals Limited, India

SOURCE: Indian Pat. Appl., 96pp.

CODEN: INXXBQ

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

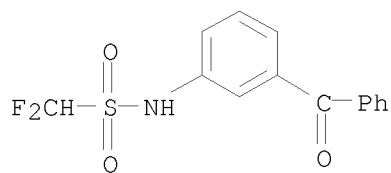
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IN 2005MU01013	A	20070629	IN 2005-MU1013	20050826
PRIORITY APPLN. INFO.:			IN 2005-MU1013	20050826

IT 22737-01-5, Diflumidone Sodium

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (novel dosage form containing modified-release and immediate-release active ingredients)

RN 22737-01-5 CAPLUS

CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)

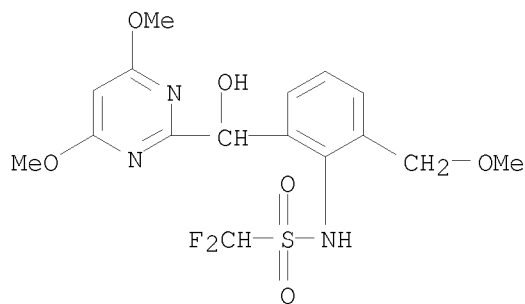


● Na

L17 ANSWER 26 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:696988 CAPLUS  
 DOCUMENT NUMBER: 147:89458  
 TITLE: Pesticide combinations including dichloroisothiazolecarboxylic acid cyanoanilide for rice fields  
 INVENTOR(S): Kamochi, Shuzo; Ukawa, Seiji; Sone, Shinsaburo; Sakuma, Haruhiko; Sakurai, Tadashi  
 PATENT ASSIGNEE(S): Bayer Cropscience K. K., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 11pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007161603	A	20070628	JP 2005-356542	20051209
KR 2007061438	A	20070613	KR 2006-124540	20061208
PRIORITY APPLN. INFO.:			JP 2005-356542	A 20051209

IT 221205-90-9D, Pyrimisulfan, mixts. containing  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (KUH 021; pesticides containing dichloroisothiazolecarboxylic acid cyanoanilide combined with herbicides and insecticides for rice fields)  
 RN 221205-90-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

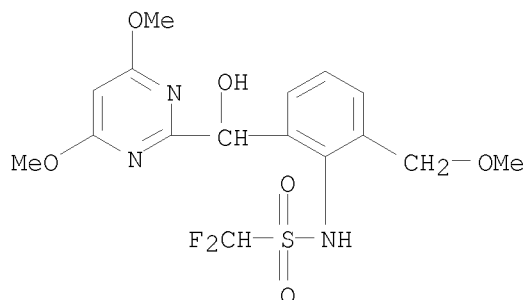


L17 ANSWER 27 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:565329 CAPLUS  
 DOCUMENT NUMBER: 146:516417



TITLE: Method for reducing the phytotoxicity of herbicides to rice  
 INVENTOR(S): Endo, Keiji; Shirakura, Shinichi; Ichihara, Teruyuki  
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
 SOURCE: PCT Int. Appl., 15pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007057112	A2	20070524	WO 2006-EP10673	20061108
WO 2007057112	A3	20070726		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
JP 2007137833	A	20070607	JP 2005-335263	20051121
PRIORITY APPLN. INFO.:				
IT 221205-90-9, Pyrimisulfan			JP 2005-335263	A 20051121
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (method for reducing the phytotoxicity of herbicides to rice)				
RN 221205-90-9	CAPLUS			
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)				



L17 ANSWER 28 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:462031 CAPLUS  
 DOCUMENT NUMBER: 146:416740  
 TITLE: Herbicide compositions containing pyrazolesulfonylureas  
 INVENTOR(S): Saeki, Manabu  
 PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan  
 SOURCE: PCT Int. Appl., 111pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007046440	A1	20070426	WO 2006-JP320777	20061018
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
CN 101291584	A	20081022	CN 2006-80038457	20080416
KR 2008064160	A	20080708	KR 2008-711646	20080515
IN 2008DN04213	A	20080801	IN 2008-DN4213	20080516
PRIORITY APPLN. INFO.:			JP 2005-303144	A 20051018
			JP 2005-311700	A 20051026
			WO 2006-JP320777	W 20061018

OTHER SOURCE(S): MARPAT 146:416740

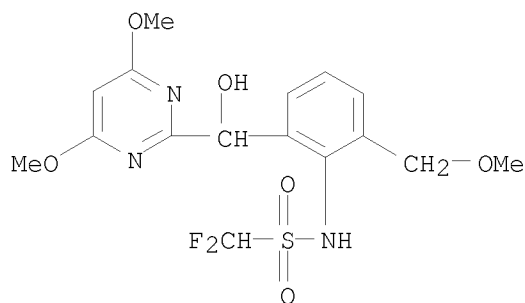
IT 221205-90-9, KUH-021

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(herbicide combinations including pyrazolesulfonylureas useful for weed control in rice)

RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 29 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:435732 CAPLUS

DOCUMENT NUMBER: 146:416737

TITLE: Safened herbicidal compositions based on 3-phenyluracils and N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxybenzamide

INVENTOR(S): Zagar, Cyrill; Sievernich, Bernd

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 49pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007042447	A2	20070419	WO 2006-EP67061	20061005
WO 2007042447	A3	20071213		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
AU 2006301309	A1	20070419	AU 2006-301309	20061005
CA 2625373	A1	20070419	CA 2006-2625373	20061005
EP 1937069	A2	20080702	EP 2006-806989	20061005
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS			
MX 200804107	A	20080422	MX 2008-4107	20080327
CN 101282642	A	20081008	CN 2006-80037864	20080411
US 20080254985	A1	20081016	US 2008-89800	20080502
KR 2008061395	A	20080702	KR 2008-711133	20080509
PRIORITY APPLN. INFO.:			EP 2005-22222	A 20051012
			WO 2006-EP67061	W 20061005

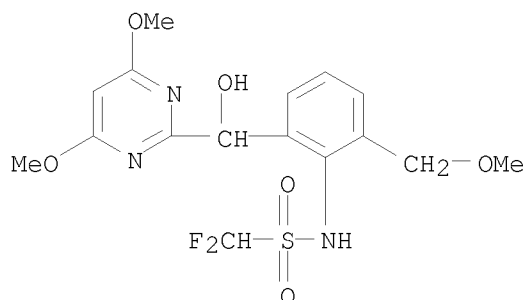
OTHER SOURCE(S): MARPAT 146:416737

IT 221205-90-9D, Pyrimisulfan, mixts. with 3-phenyluracil derivative and benzamide derivative safener

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(safened herbicidal comps.)

RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 30 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:327771 CAPLUS

DOCUMENT NUMBER: 146:332488

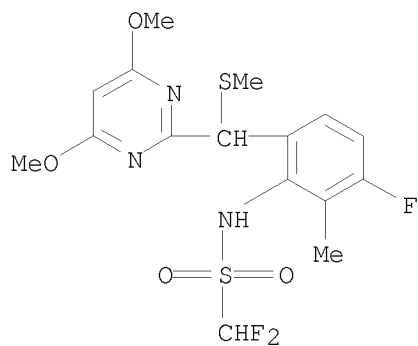
TITLE: Preparation of sulfonanilide herbicides

INVENTOR(S): Araki, Koichi; Sato, Yoshitaka; Gomibichi, Takuya;

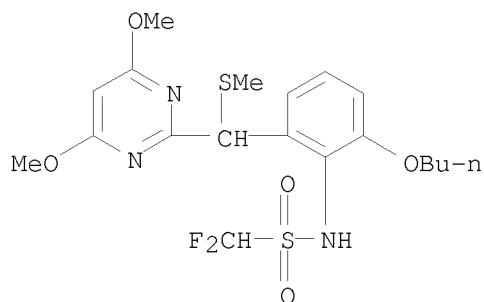
PATENT ASSIGNEE(S): Endo, Keiji; Shirakura, Shinichi; Nakamura, Shin;  
 SOURCE: Rosinger, Christopher; Feucht, Dieter  
 Bayer CropScience A.-G., Germany  
 PCT Int. Appl., 107pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007031208	A2	20070322	WO 2006-EP8591	20060902
WO 2007031208	A3	20070726		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
JP 2007106745	A	20070426	JP 2006-184101	20060704
AU 2006291703	A1	20070322	AU 2006-291703	20060902
CA 2622578	A1	20070322	CA 2006-2622578	20060902
EP 1928242	A2	20080611	EP 2006-791801	20060902
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
MX 200803758	A	20080402	MX 2008-3758	20080314
KR 2008044878	A	20080521	KR 2008-706298	20080314
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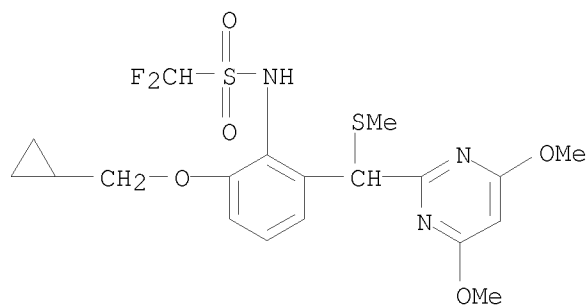
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 1044077-66-8 1044077-67-9 1044077-96-4  
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 1044078-04-7 1044078-19-4 1044078-21-8  
 1044078-22-9 1044078-25-2 1044078-27-4  
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 1044079-05-1 1044079-06-2 1044079-35-7  
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 (Preparation of sulfonanilide herbicides)  
 RN 1044077-15-7 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



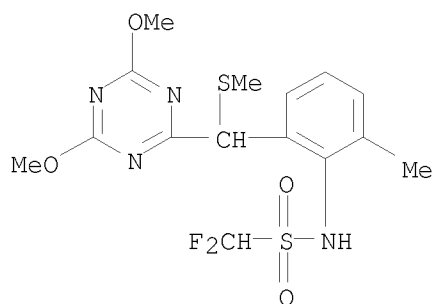
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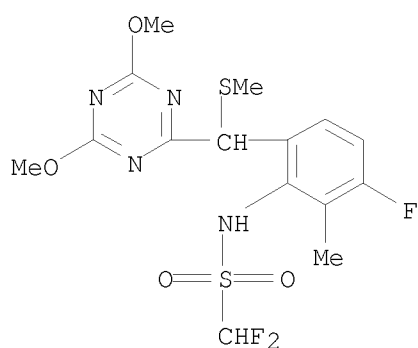
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 CN INDEX NAME NOT YET ASSIGNED



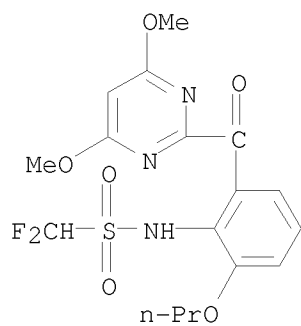
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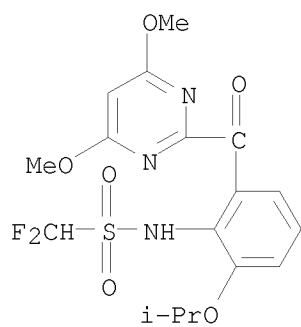
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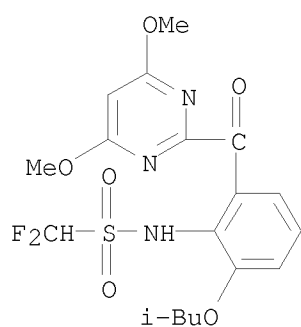
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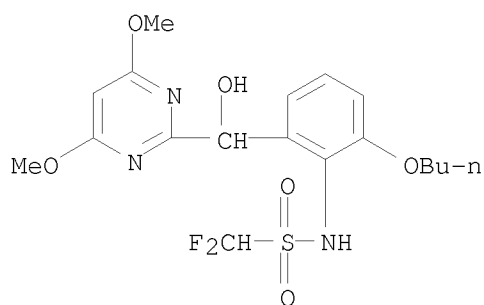
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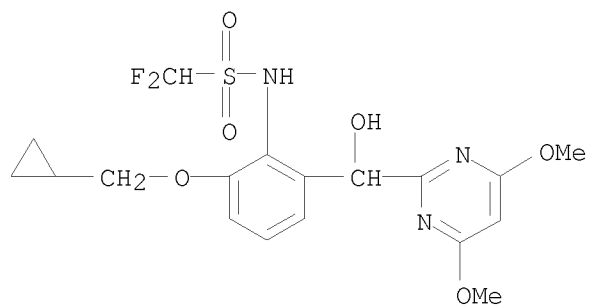
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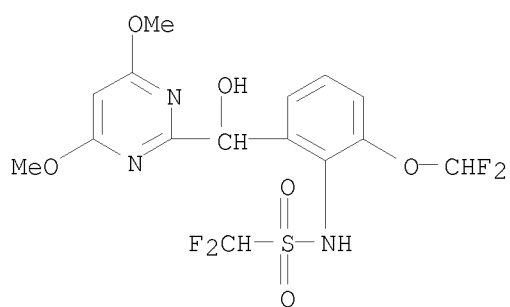
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 CN INDEX NAME NOT YET ASSIGNED



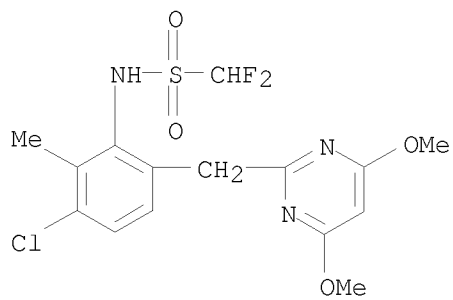
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 CN INDEX NAME NOT YET ASSIGNED



RN 1044077-67-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

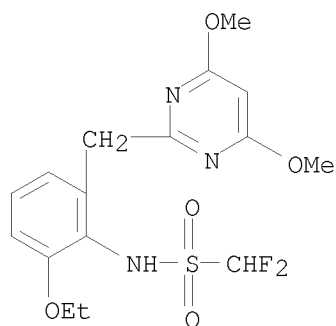


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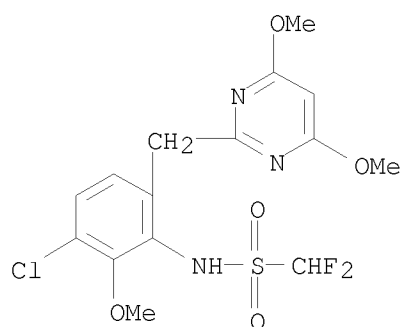


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 CN INDEX NAME NOT YET ASSIGNED

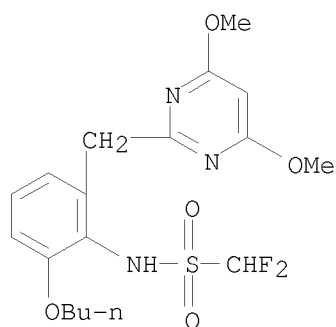




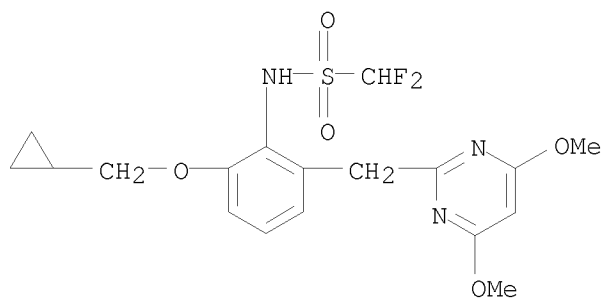
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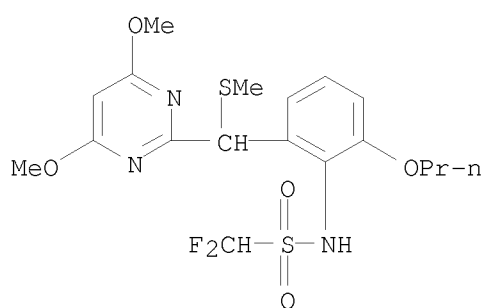
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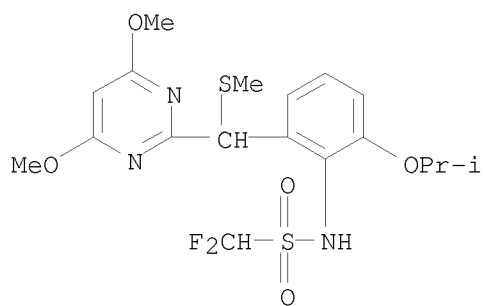
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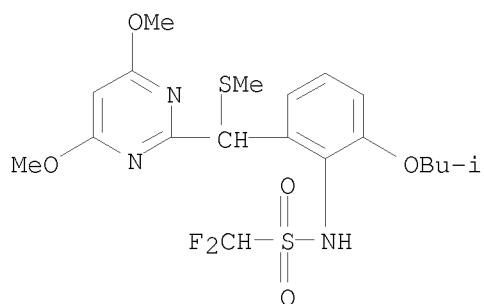
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 CN INDEX NAME NOT YET ASSIGNED



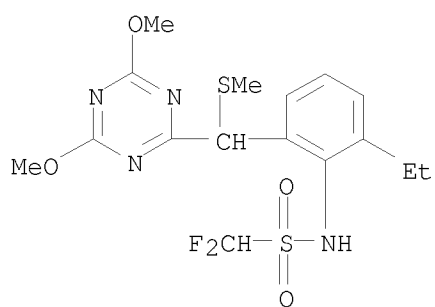
RN 1044078-21-8 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



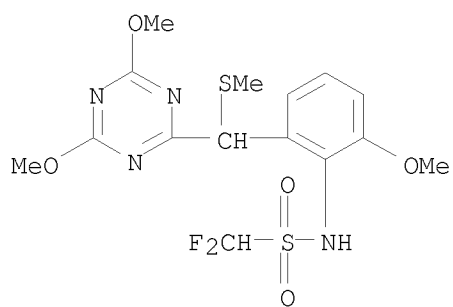
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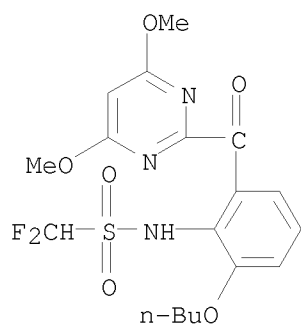
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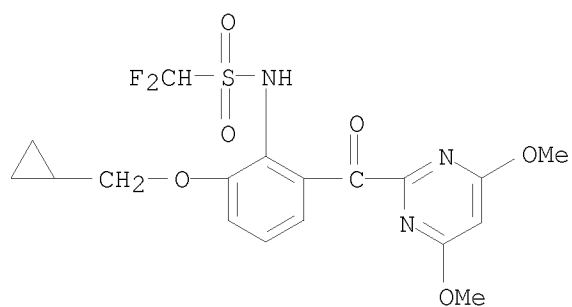
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 CN INDEX NAME NOT YET ASSIGNED



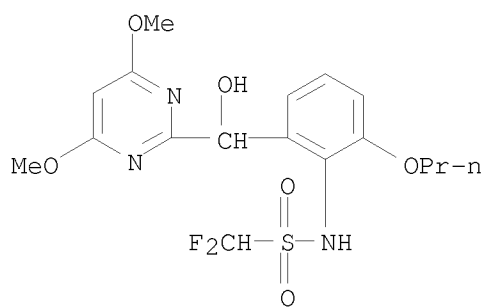
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 CN INDEX NAME NOT YET ASSIGNED



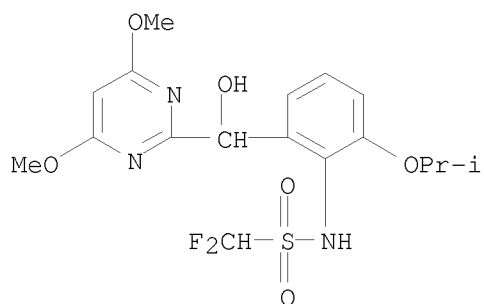
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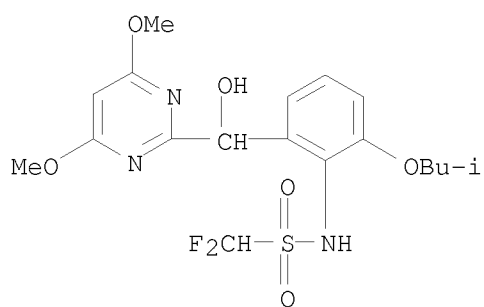
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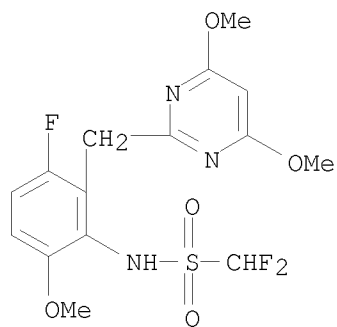
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 CN INDEX NAME NOT YET ASSIGNED



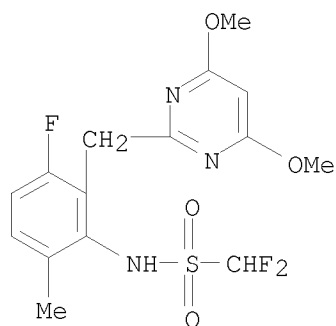
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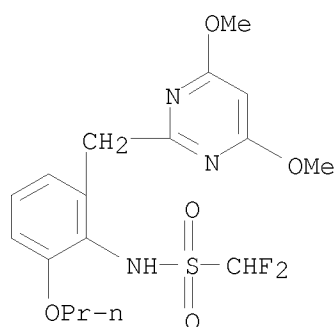
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 CN INDEX NAME NOT YET ASSIGNED



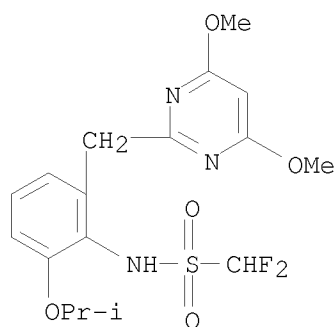
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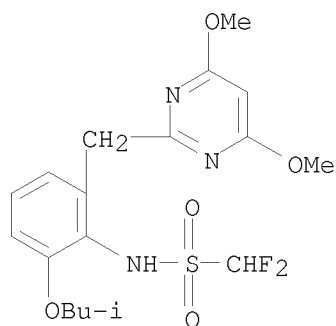
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 CN INDEX NAME NOT YET ASSIGNED



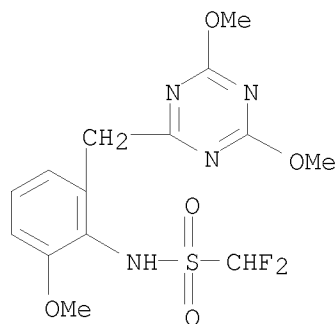
RN 1044079-45-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



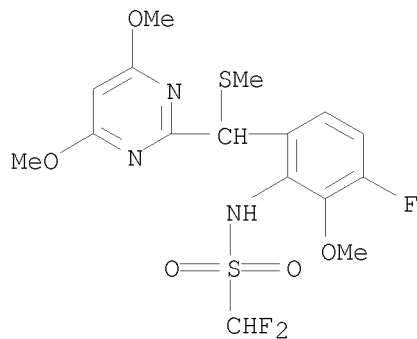
RN 1044079-46-0 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



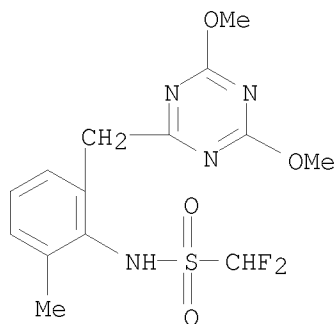
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 929538-40-9P 929538-41-0P 929538-45-4P  
 929538-46-5P 929538-47-6P 929538-48-7P  
 929538-49-8P 929538-59-0P 929538-60-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (intermediate in preparation of sulfonanilide herbicide)  
 RN 929538-35-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)methyl]-6-  
 methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929538-37-4 CAPLUS  
 CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)(methylthio)methyl]-  
 3-fluoro-2-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)

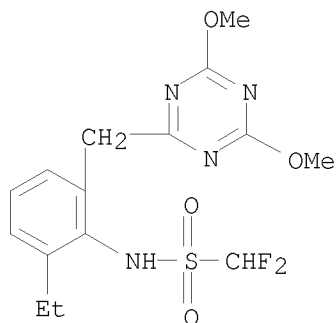


RN 929538-39-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)methyl]-6-  
 methylphenyl]-1,1-difluoro- (CA INDEX NAME)



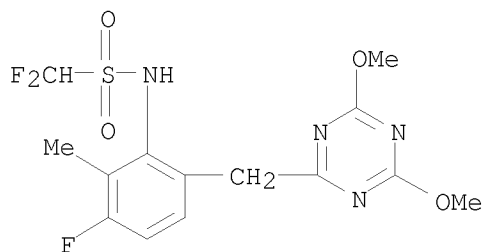
RN 929538-40-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)methyl]-6-ethylphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929538-41-0 CAPLUS

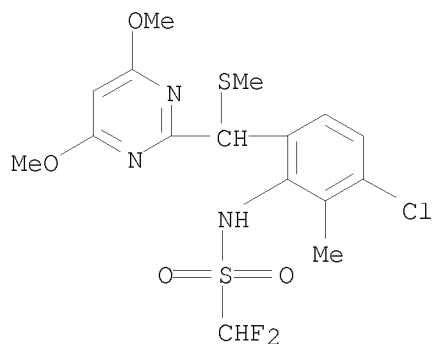
CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-1,3,5-triazin-2-yl)methyl]-3-fluoro-2-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



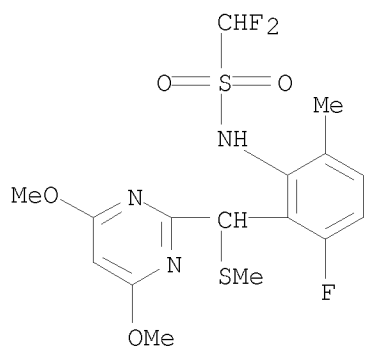
RN 929538-45-4 CAPLUS

CN Methanesulfonamide, N-[3-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)(methylthio)methyl]-2-methylphenyl]-1,1-difluoro- (CA INDEX NAME)

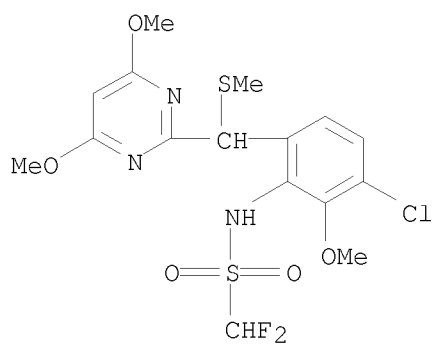




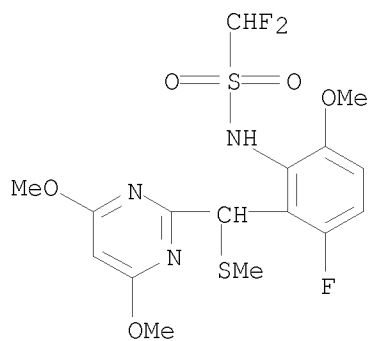
RN 929538-46-5 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylthio)methyl]-3-fluoro-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929538-47-6 CAPLUS  
 CN Methanesulfonamide, N-[3-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)(methylthio)methyl]-2-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)

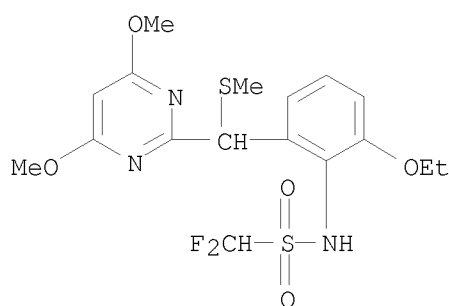


RN 929538-48-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylthio)methyl]-3-fluoro-6-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



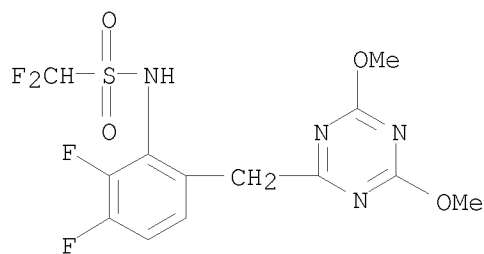
RN 929538-49-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylthio)methyl]-6-ethoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



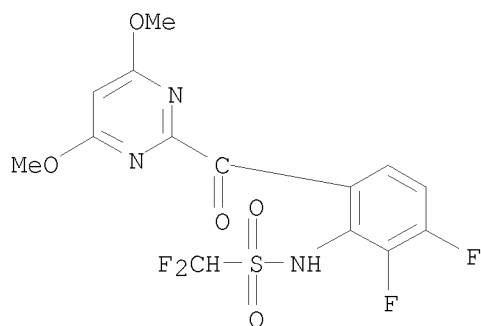
RN 929538-59-0 CAPLUS

CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-1,3,5-triazin-2-yl)methyl]-2,3-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929538-60-3 CAPLUS

CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]-2,3-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)

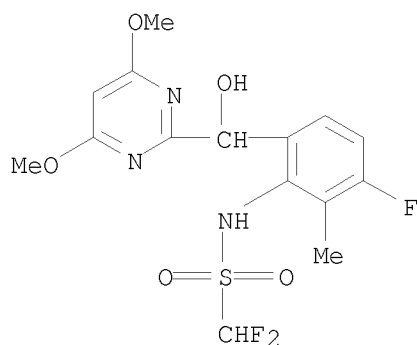


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RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation as herbicide)

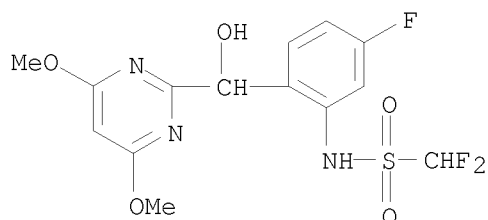
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CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-3-fluoro-2-methylphenyl]-1,1-difluoro- (CA INDEX NAME)

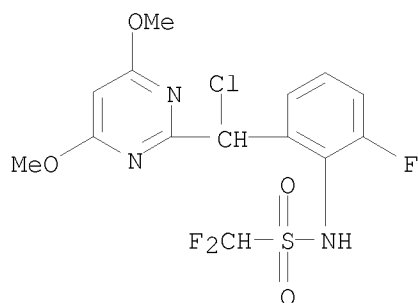


RN 874195-83-2 CAPLUS

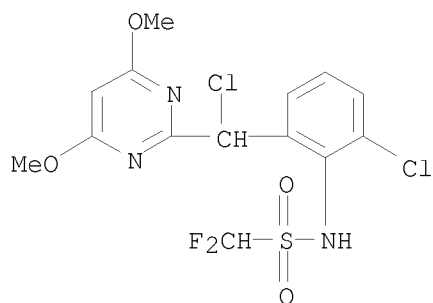
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



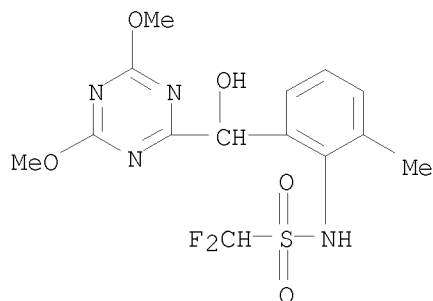
RN 874195-87-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[chloro(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



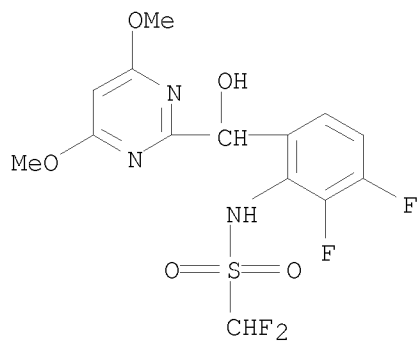
RN 874195-89-8 CAPLUS  
 CN Methanesulfonamide, N-[2-chloro-6-[chloro(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



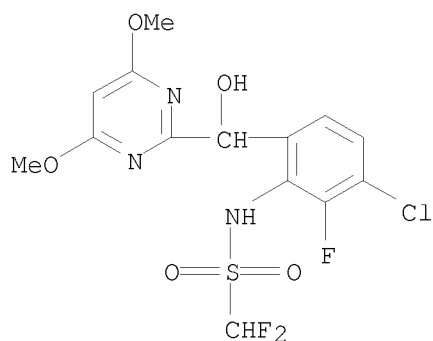
RN 874196-24-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



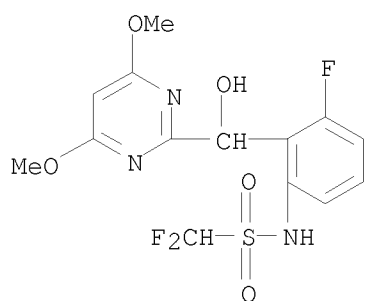
RN 929537-82-6 CAPLUS  
 CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-2,3-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)



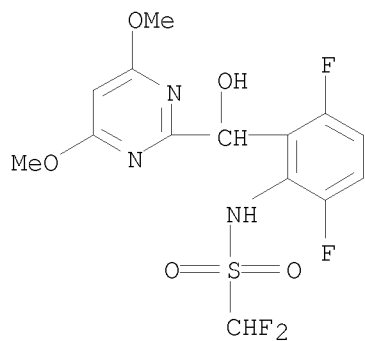
RN 929537-83-7 CAPLUS  
 CN Methanesulfonamide, N-[3-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-2-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929537-84-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

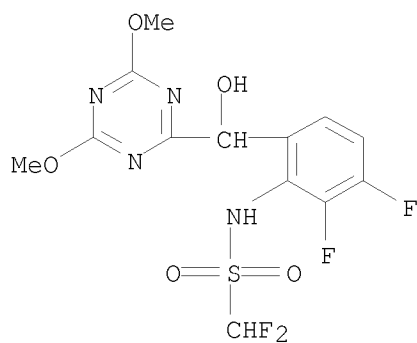


RN 929537-85-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-3,6-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)



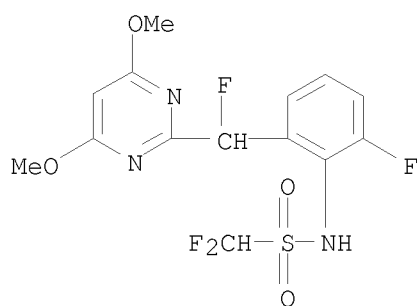
RN 929537-86-0 CAPLUS

CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-2,3-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)



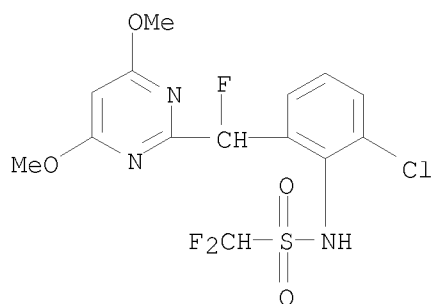
RN 929537-88-2 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)fluoromethyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

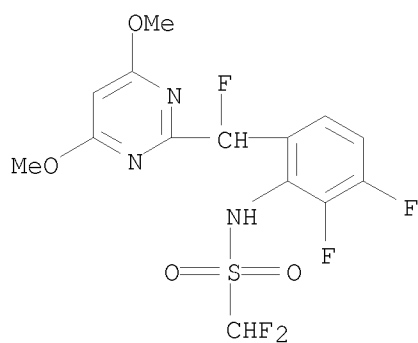


RN 929537-89-3 CAPLUS

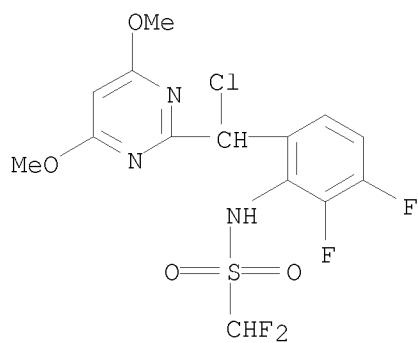
CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)fluoromethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



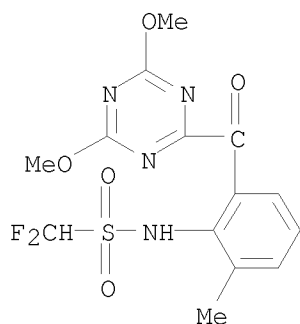
RN 929537-90-6 CAPLUS  
 CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)fluoromethyl]-2,3-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929537-91-7 CAPLUS  
 CN Methanesulfonamide, N-[6-[chloro(4,6-dimethoxy-2-pyrimidinyl)methyl]-2,3-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)

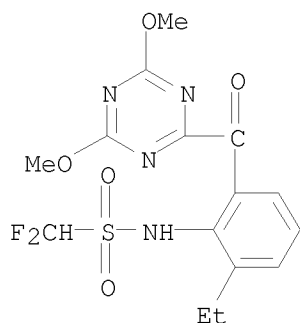


RN 929538-03-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



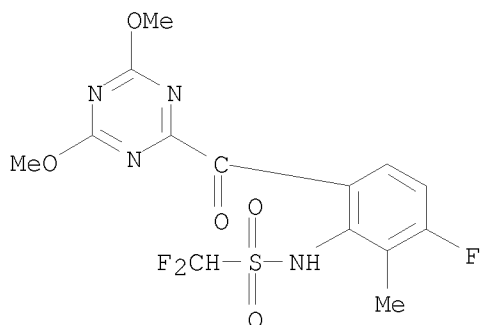
RN 929538-04-5 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]-6-ethylphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929538-05-6 CAPLUS

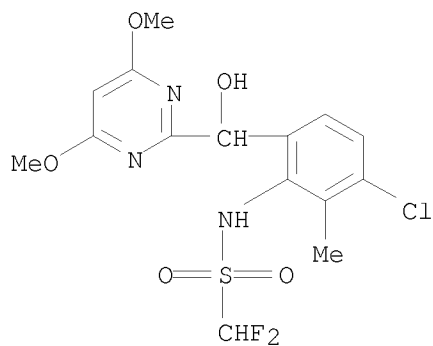
CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]-3-fluoro-2-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929538-07-8 CAPLUS

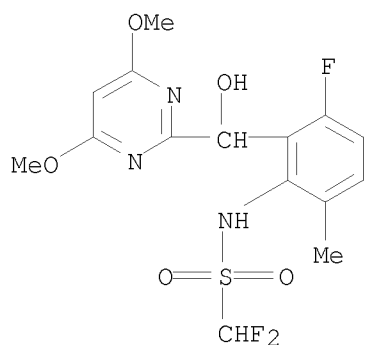
CN Methanesulfonamide, N-[3-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-2-methylphenyl]-1,1-difluoro- (CA INDEX NAME)





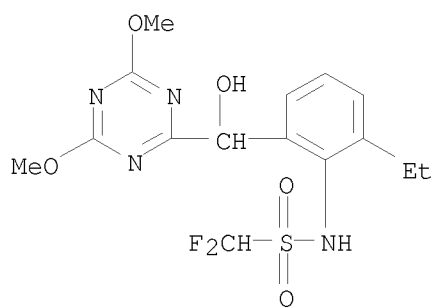
RN 929538-08-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-3-fluoro-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



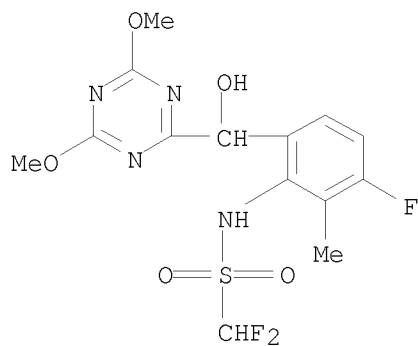
RN 929538-09-0 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-ethylphenyl]-1,1-difluoro- (CA INDEX NAME)



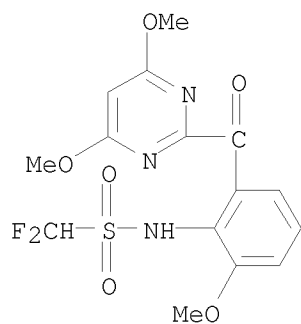
RN 929538-10-3 CAPLUS

CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-3-fluoro-2-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



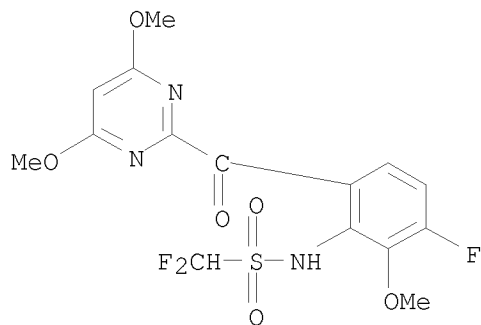
RN 929538-15-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]-6-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



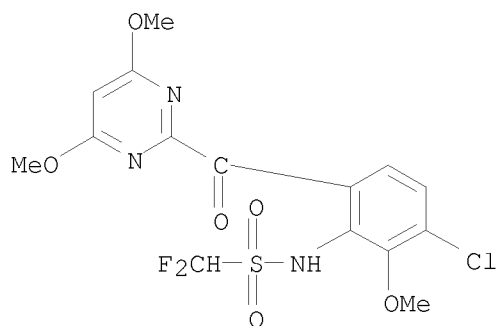
RN 929538-16-9 CAPLUS

CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]-3-fluoro-2-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)

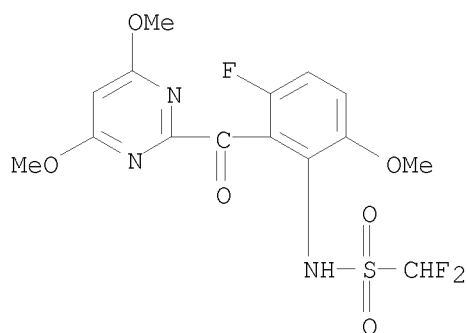


RN 929538-17-0 CAPLUS

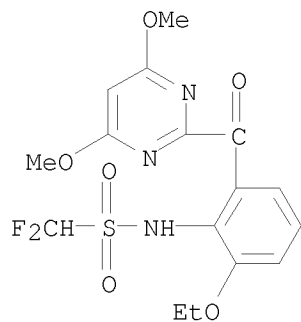
CN Methanesulfonamide, N-[3-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]-2-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



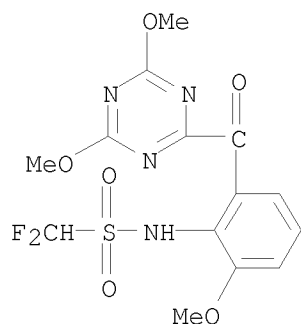
RN 929538-18-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]-3-fluoro-6-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929538-19-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]-6-ethoxyphenyl]-1,1-difluoro- (CA INDEX NAME)

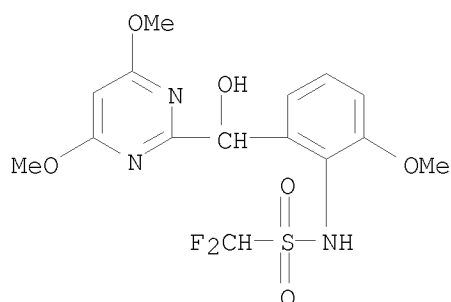


RN 929538-21-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]-6-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



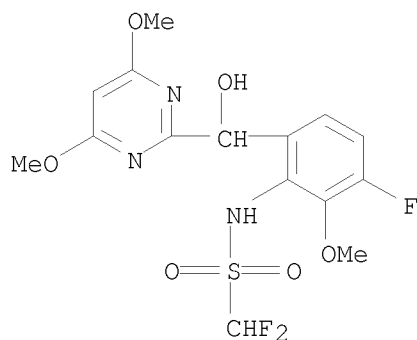
RN 929538-25-0 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



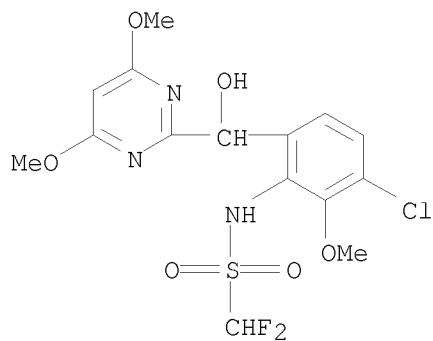
RN 929538-27-2 CAPLUS

CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-3-fluoro-2-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



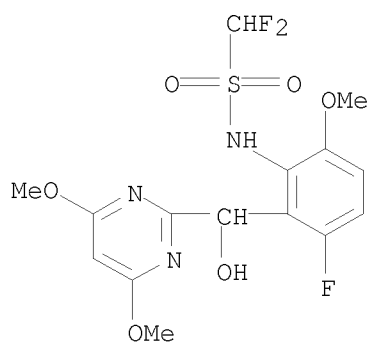
RN 929538-29-4 CAPLUS

CN Methanesulfonamide, N-[3-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-2-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



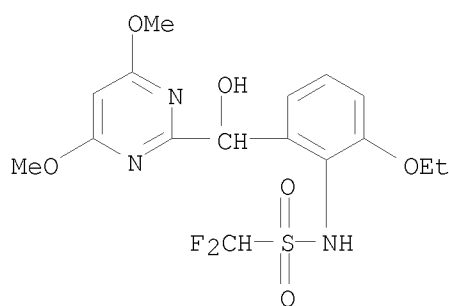
RN 929538-31-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-3-fluoro-6-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



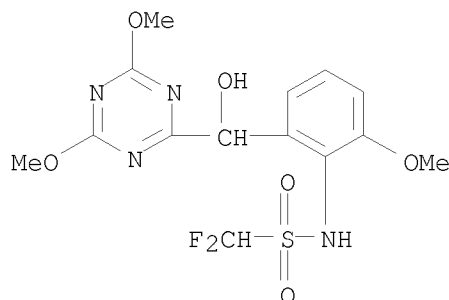
RN 929538-32-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-ethoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 929538-34-1 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 31 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:227224 CAPLUS  
 DOCUMENT NUMBER: 146:268408  
 TITLE: Phenylsulfonfylcarbamate derivatives as herbicide safeners  
 INVENTOR(S): Furuse, Katsumi; Takahashi, Satoru; Ohno, Shuji; Ogawa, Yasunori; Mitsunari, Takashi  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 78pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007023764	A1	20070301	WO 2006-JP316316	20060821
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: JP 2005-245544 A 20050826

OTHER SOURCE(S): MARPAT 146:268408

IT 927411-85-6

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (Pyrimisulfan + compound I-35; safened herbicide composition)

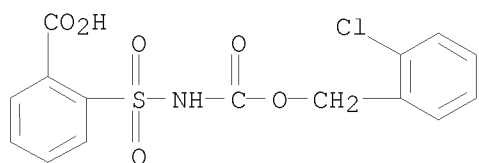
RN 927411-85-6 CAPLUS

CN Benzoic acid, 2-[[[(2-chlorophenyl)methoxy]carbonyl]amino]sulfonyl]-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 808197-83-3

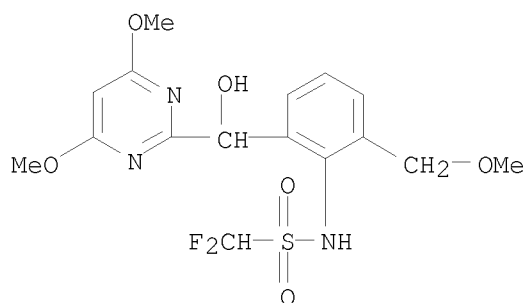
CMF C15 H12 Cl N O6 S



CM 2

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S



IT 927411-90-3

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(Pyrimisulfan + compound I-36; safened herbicide composition)

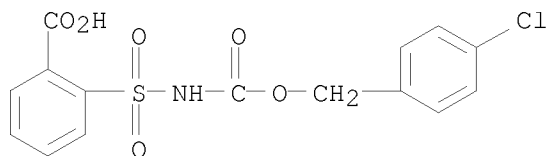
RN 927411-90-3 CAPLUS

CN Benzoic acid, 2-[[[(4-chlorophenyl)methoxy]carbonyl]amino]sulfonyl]-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 808197-84-4

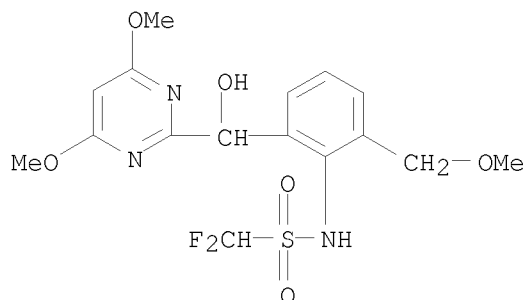
CMF C15 H12 Cl N O6 S



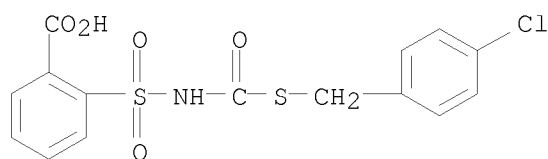
CM 2

CRN 221205-90-9

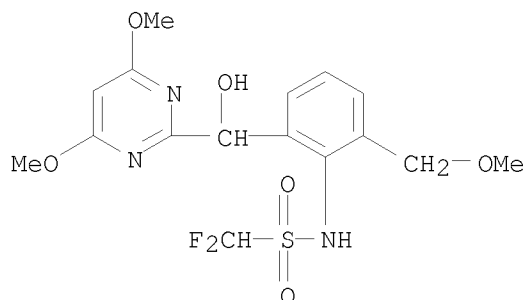
CMF C16 H19 F2 N3 O6 S



IT 927411-92-5  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (Pyrimisulfan + compound II-40; safened herbicide composition)  
 RN 927411-92-5 CAPLUS  
 CN Benzoic acid, 2-[[[[(4-chlorophenyl)methyl]thio]carbonyl]amino]sulfonyl]-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)  
 CM 1  
 CRN 864059-53-0  
 CMF C15 H12 Cl N O5 S2



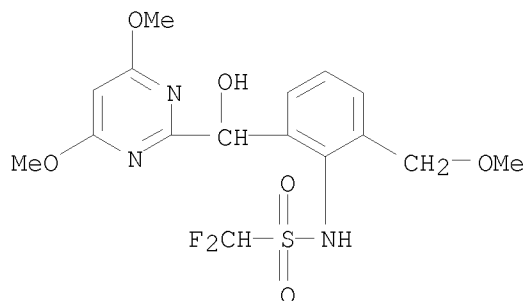
CM 2  
 CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



IT 221205-90-9, Pyrimisulfan  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (phenylsulfonylcarbamate derivs. as herbicide safeners for)  
 RN 221205-90-9 CAPLUS



CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 32 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:226871 CAPLUS

DOCUMENT NUMBER: 146:268407

TITLE: Benzoisothiazolinone dioxides as herbicide safeners

INVENTOR(S): Furuse, Katsumi; Ueno, Ryohei; Asakura, Sohei; Yonekura, Norihisa; Mitsunari, Takashi

PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan

SOURCE: PCT Int. Appl., 68pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007023719	A1	20070301	WO 2006-JP316097	20060816
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: JP 2005-239757 A 20050822

OTHER SOURCE(S): MARPAT 146:268407

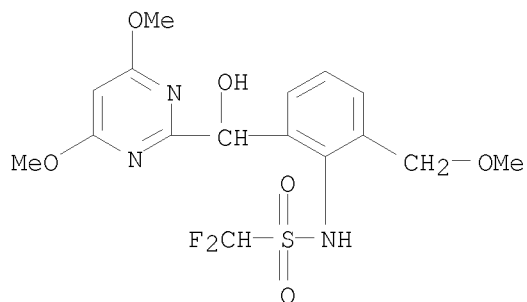
IT 221205-90-9, Pyrimisulfan

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

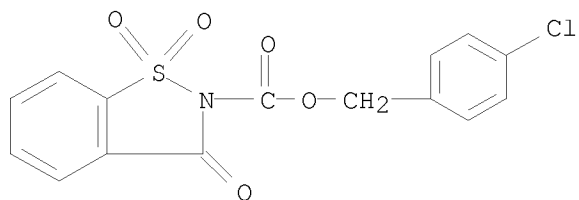
(herbicide compns. containing benzoisothiazolinone dioxide safeners and)

RN 221205-90-9 CAPLUS

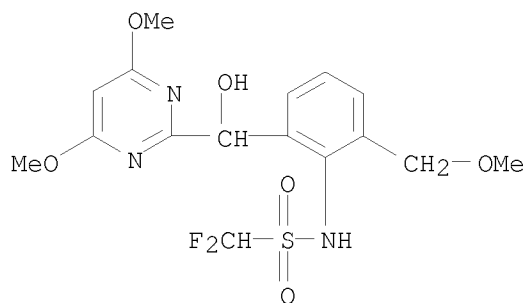
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



IT 927419-14-5 927419-16-7  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (safened herbicide compns.)  
 RN 927419-14-5 CAPLUS  
 CN 1,2-Benzisothiazole-2(3H)-carboxylic acid, 3-oxo-, (4-chlorophenyl)methyl ester, 1,1-dioxide, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)  
 CM 1  
 CRN 863554-50-1  
 CMF C15 H10 Cl N O5 S



CM 2  
 CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



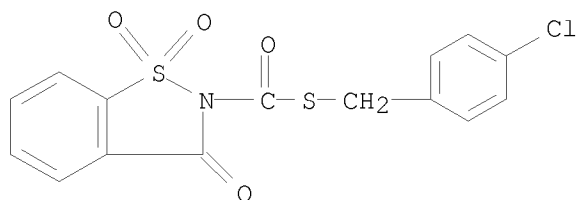
RN 927419-16-7 CAPLUS  
 CN 1,2-Benzisothiazole-2(3H)-carbothioic acid, 3-oxo-, S-[(4-chlorophenyl)methyl] ester, 1,1-dioxide, mixt. with

N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (CA INDEX NAME)

CM 1

CRN 863554-56-7

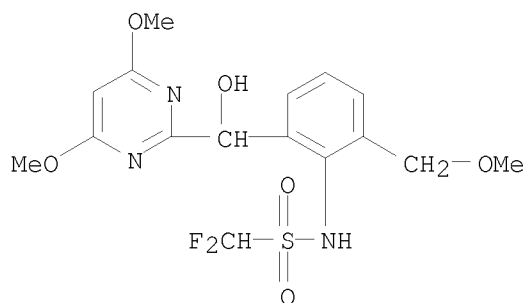
CMF C15 H10 Cl N O4 S2



CM 2

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 33 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:54642 CAPLUS

DOCUMENT NUMBER: 146:157657

TITLE: Herbicidal compositions containing encapsulated difluoromethanesulfonylanilides

INVENTOR(S): Ikeuchi, Toshihiro; Ohkawa, Tetsuo

PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan

SOURCE: PCT Int. Appl., 27pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007007629	A1	20070118	WO 2006-JP313471	20060706
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,			

MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,  
 SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,  
 US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

CN 101217872 A 20080709 CN 2006-80024902 20080108  
 KR 2008030069 A 20080403 KR 2008-702473 20080130  
 PRIORITY APPLN. INFO.: JP 2005-200793 A 20050708  
 JP 2006-945 A 20060105  
 WO 2006-JP313471 W 20060706

OTHER SOURCE(S): MARPAT 146:157657

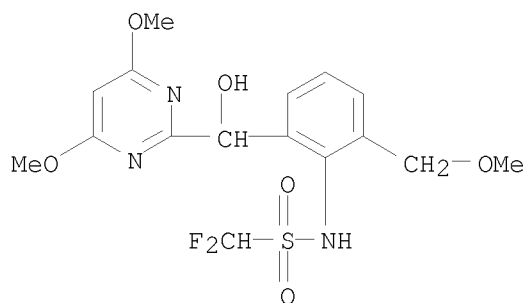
IT 221205-90-9, Pyrimisulfan 257871-28-6

257871-28-6D, alkyl and alkoxyalkyl derivs. and salts

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (herbicidal compns. with microcapsules containing)

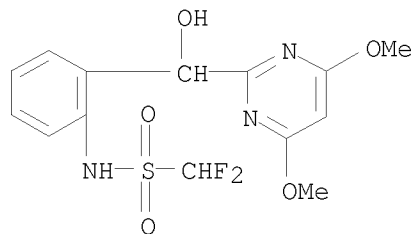
RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



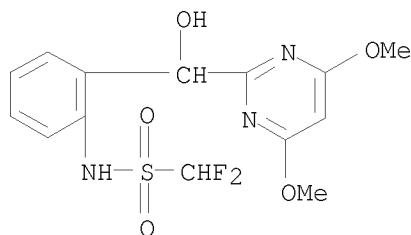
RN 257871-28-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 257871-28-6 CAPLUS

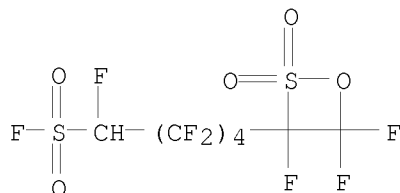
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



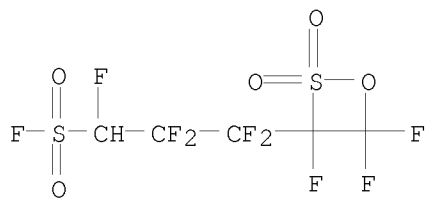
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 34 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:1256310 CAPLUS  
 DOCUMENT NUMBER: 146:30067  
 TITLE: Fuel cell adopting polymer nanocomposite membrane including proton conducting inorganic material  
 INVENTOR(S): Kim, Hae-Kyoung; Lee, Jae-Sung; Chang, Hyuk; Kim, Young-Kwon  
 PATENT ASSIGNEE(S): Samsung Sdi Co., Ltd., S. Korea  
 SOURCE: U.S. Pat. Appl. Publ., 24pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

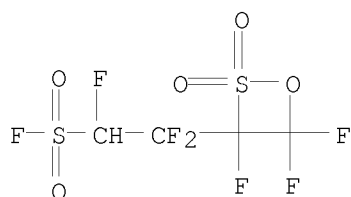
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20060269816	A1	20061130	US 2006-438268	20060523
KR 2006122199	A	20061130	KR 2005-44254	20050525
JP 2006327932	A	20061207	JP 2006-145958	20060525
CN 1880388	A	20061220	CN 2006-10084561	20060525
PRIORITY APPLN. INFO.:			KR 2005-44254	A 20050525
OTHER SOURCE(S): MARPAT 146:30067				
IT 84933-51-7 90127-85-8 90127-87-0				
RL: RCT (Reactant); RACT (Reactant or reagent)				
(fuel cell adopting polymer nanocomposite membrane including proton conducting inorg. material)				
RN 84933-51-7 CAPLUS				
CN 1,2-Oxathietane-3-pentanesulfonyl fluoride,				
$\alpha,\beta,\beta,\delta,\delta,\epsilon,\epsilon,\gamma,\gamma,$				
3,4,4-dodecafluoro-, 2,2-dioxide (CA INDEX NAME)				



RN 90127-85-8 CAPLUS  
 CN 1,2-Oxathietane-3-propanesulfonyl fluoride,  
 $\alpha,\beta,\beta,\gamma,\gamma,3,4,4$ -octafluoro-, 2,2-dioxide (CA INDEX NAME)

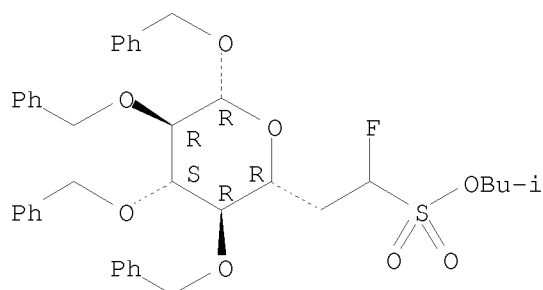


RN 90127-87-0 CAPLUS  
 CN 1,2-Oxathietane-3-ethanesulfonyl fluoride,  
 $\alpha,\beta,\beta,3,4,4$ -hexafluoro-, 2,2-dioxide (CA INDEX NAME)



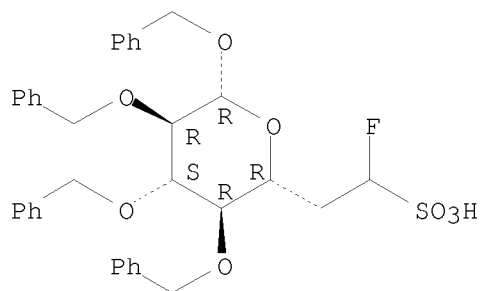
L17 ANSWER 35 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:1246912 CAPLUS  
 DOCUMENT NUMBER: 146:142925  
 TITLE: Synthesis of  $\alpha$ -Fluorosulfonate and  
 $\alpha$ -Fluorosulfonamide Analogs of a Sulfated  
 Carbohydrate  
 AUTHOR(S): Navidpour, Latifeh; Lu, Wallach; Taylor, Scott D.  
 CORPORATE SOURCE: Department of Chemistry, University of Waterloo,  
 Waterloo, ON, N2L 3G1, Can.  
 SOURCE: Organic Letters (2006), 8(24), 5617-5620  
 CODEN: ORLEF7; ISSN: 1523-7060  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 146:142925  
 IT 918900-75-1P 918900-79-5P 918900-89-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (synthesis of  $\alpha$ -fluorosulfonate and  $\alpha$ -fluorosulfonamide  
 analogs of a sulfated carbohydrate via electrophilic fluorination)  
 RN 918900-75-1 CAPLUS  
 CN  $\beta$ -D-glucopyranoside, phenylmethyl  
 6,7-dideoxy-7-C-fluoro-7-[(2-methylpropoxy)sulfonyl]-2,3,4-tris-O-  
 (phenylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.



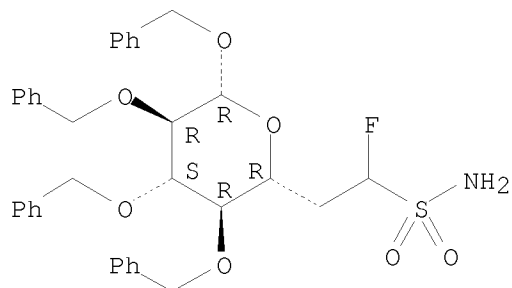
RN 918900-79-5 CAPLUS  
 CN  $\beta$ -D-gluco-Heptopyranoside, phenylmethyl  
 6,7-dideoxy-7-C-fluoro-2,3,4-tris-O-(phenylmethyl)-7-sulfo-, lithium salt  
 (1:1) (CA INDEX NAME)

Absolute stereochemistry.



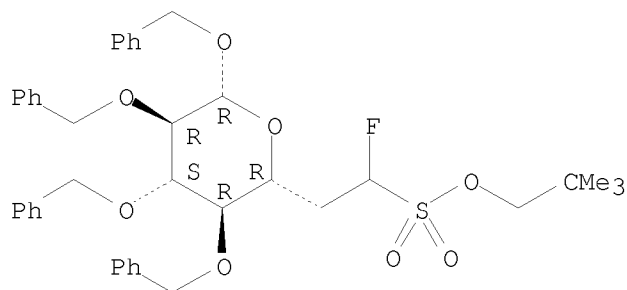
RN 918900-89-7 CAPLUS  
 CN  $\beta$ -D-gluco-Heptopyranoside, phenylmethyl  
 7-(aminosulfonyl)-6,7-dideoxy-7-C-fluoro-2,3,4-tris-O-(phenylmethyl)- (CA  
 INDEX NAME)

Absolute stereochemistry.



IT 918900-72-8P 918900-82-0P 918900-92-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (synthesis of  $\alpha$ -fluorosulfonate and  $\alpha$ -fluorosulfonamide  
 analogs of a sulfated carbohydrate via electrophilic fluorination)  
 RN 918900-72-8 CAPLUS  
 CN  $\beta$ -D-gluco-Heptopyranoside, phenylmethyl  
 6,7-dideoxy-7-[(2,2-dimethylpropoxy)sulfonyl]-7-C-fluoro-2,3,4-tris-O-  
 (phenylmethyl)- (CA INDEX NAME)

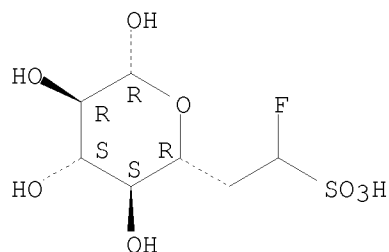
Absolute stereochemistry.



RN 918900-82-0 CAPLUS

CN  $\beta$ -D-glucopyranose, 6,7-dideoxy-7-C-fluoro-7-sulfo-, lithium salt (1:1) (CA INDEX NAME)

Absolute stereochemistry.

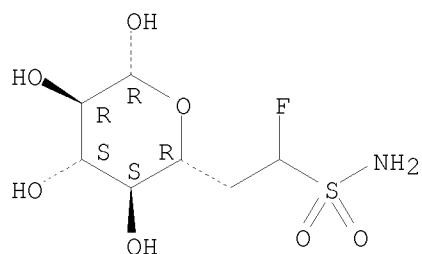


● Li

RN 918900-92-2 CAPLUS

CN  $\beta$ -D-glucopyranose, 7-(aminosulfonyl)-6,7-dideoxy-7-C-fluoro- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 36 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:1225976 CAPLUS

DOCUMENT NUMBER: 146:9871

TITLE: Hybrid vapor compression-absorption cycle

INVENTOR(S): Shiflett, Mark Brandon; Yokozeki, Akimichi

PATENT ASSIGNEE(S): E.I. du Pont de Nemours and Company, USA

SOURCE: PCT Int. Appl., 135pp.

CODEN: PIXXD2



DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006124776	A2	20061123	WO 2006-US18733	20060516
WO 2006124776	A3	20070405		
WO 2006124776	A9	20080124		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
AU 2006247417	A1	20061123	AU 2006-247417	20060516
AU 2006247417	A2	20061123		
CA 2608542	A1	20061123	CA 2006-2608542	20060516
US 20070019708	A1	20070125	US 2006-435352	20060516
EP 1882132	A2	20080130	EP 2006-759840	20060516
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2008541006	T	20081120	JP 2008-512405	20060516
IN 2007DN08502	A	20080704	IN 2007-DN8502	20071105
CN 101175953	A	20080507	CN 2006-80017067	20071116
KR 2008019235	A	20080303	KR 2007-729420	20071217
NO 2007006526	A	20080218	NO 2007-6526	20071218
PRIORITY APPLN. INFO.:			US 2005-682191P	P 20050518
			WO 2006-US18733	W 20060516

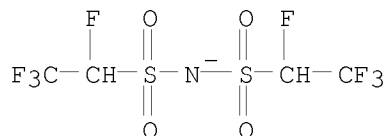
OTHER SOURCE(S): MARPAT 146:9871

IT 915796-37-1

RL: TEM (Technical or engineered material use); USES (Uses)  
 (hybrid vapor compression-absorption cycle using ionic liqs. and fluorocarbon gases)

RN 915796-37-1 CAPLUS

CN Ethanesulfonamide, 1,2,2,2-tetrafluoro-N-[(1,2,2,2-tetrafluoroethyl)sulfonyl]-, ion(1-) (CA INDEX NAME)



L17 ANSWER 37 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:1147680 CAPLUS

DOCUMENT NUMBER: 145:471537

TITLE: Preparation of iodophenyl azolyl sulfonylcarboxamides as herbicides and plant growth regulators.

INVENTOR(S): Waldruff, Christian; Dietrich, Hansjoerg; Kehne, Heinz; Hills, Martin; Auler, Thomas; Mueller, Klaus-Helmut; Feucht, Dieter

PATENT ASSIGNEE(S): Bayer CropScience G.m.b.H., Germany  
 SOURCE: PCT Int. Appl., 154pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006114221	A1	20061102	WO 2006-EP3565	20060419
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 1717228	A1	20061102	EP 2005-9271	20050428
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU			
AU 2006239588	A1	20061102	AU 2006-239588	20060419
CA 2606268	A1	20061102	CA 2006-2606268	20060419
EP 1877380	A1	20080116	EP 2006-724420	20060419
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
US 20060258536	A1	20061116	US 2006-410295	20060425
MX 200713573	A	20080114	MX 2007-13573	20071026
CN 101166724	A	20080423	CN 2006-80014275	20071026
IN 2007CN04821	A	20080125	IN 2007-CN4821	20071029
PRIORITY APPLN. INFO.:			EP 2005-9271	A 20050428
			WO 2006-EP3565	W 20060419

OTHER SOURCE(S): MARPAT 145:471537

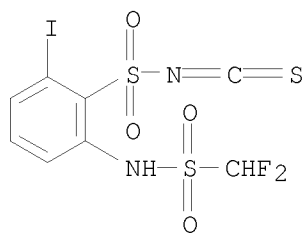
IT 1064270-69-4 1064271-45-9 1064272-62-3  
 1064273-08-0 1064273-73-9 1064274-35-6  
 1064275-10-0 1064275-40-6 1064276-65-8  
 1064277-40-2 1064278-04-1 1064278-74-5  
 1064279-69-1 1064279-98-6 1064281-03-3  
 1064281-77-1 1064283-48-2 1064284-36-1  
 1064286-53-8 1064463-23-5 1064463-75-7  
 1064464-46-5 1064465-50-4 1064466-76-7  
 1066570-80-6 1066572-86-8 1066572-87-9  
 1066572-88-0 1066572-89-1 1066576-36-0  
 1066576-37-1

RL: PRPH (Prophetic)

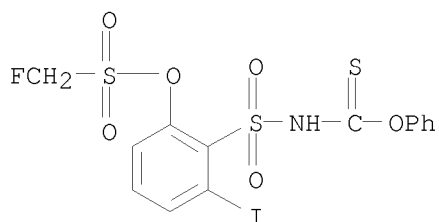
(Preparation of iodophenyl azolyl sulfonylcarboxamides as herbicides and plant growth regulators.)

RN 1064270-69-4 CAPLUS

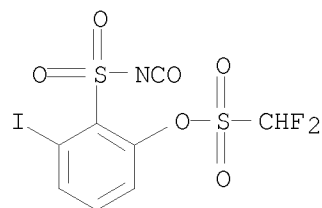
CN Benzenesulfonyl isothiocyanate, 2-[[[(difluoromethyl)sulfonyl]amino]-6-iodo-  
 (CA INDEX NAME)



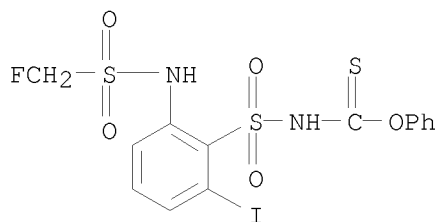
RN 1064271-45-9 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-, 3-iodo-2-  
 [[(phenoxythioxomethyl)amino]sulfonyl]phenyl ester (CA INDEX NAME)



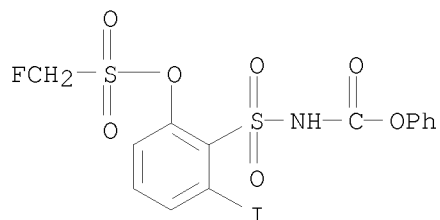
RN 1064272-62-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 3-iodo-2-(isocyanatosulfonyl)phenyl  
 ester (CA INDEX NAME)



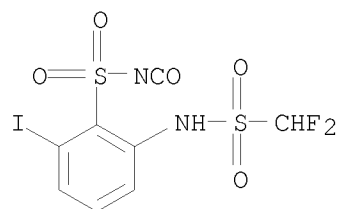
RN 1064273-08-0 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



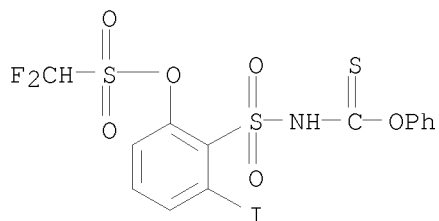
RN 1064273-73-9 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-, 3-iodo-2-  
 [[(phenoxythioxomethyl)amino]sulfonyl]phenyl ester (CA INDEX NAME)



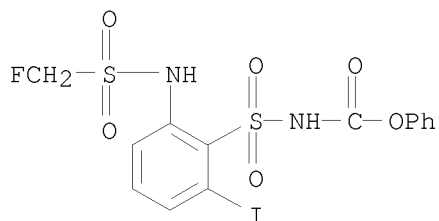
RN 1064274-35-6 CAPLUS  
 CN Benzenesulfonyl isocyanate, 2-[[[(difluoromethyl)sulfonyl]amino]-6-iodo-3-iodophenyl ester (CA INDEX NAME)



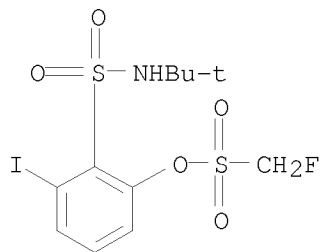
RN 1064275-10-0 CAPLUS  
 CN Methanesulfonyl isocyanate, 1,1-difluoro-, 3-iodo-2-[[[(phenoxythioxomethyl)amino]sulfonyl]phenyl ester (CA INDEX NAME)



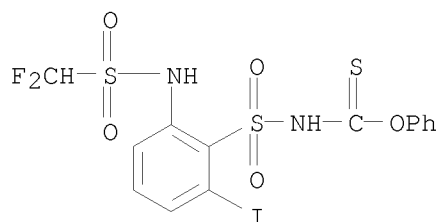
RN 1064275-40-6 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



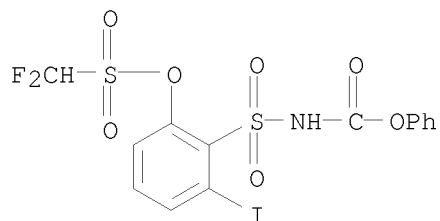
RN 1064276-65-8 CAPLUS  
 CN Methanesulfonyl isocyanate, 1-fluoro-, 2-[[[(1,1-dimethylethyl)amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)



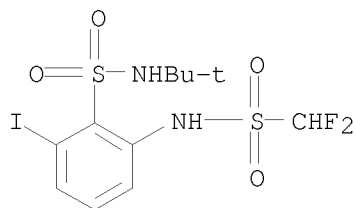
RN 1064277-40-2 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



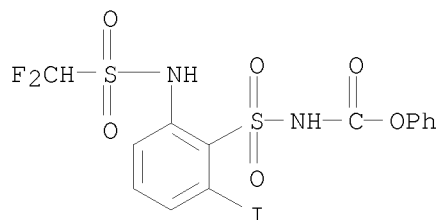
RN 1064278-04-1 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-,  
 3-iodo-2-[[ (phenoxy carbonyl) amino]sulfonyl]phenyl ester (CA INDEX NAME)



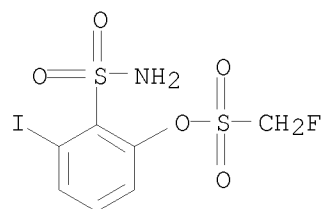
RN 1064278-74-5 CAPLUS  
 CN Benzenesulfonamide, 2-[[ (difluoromethyl) sulfonyl]amino]-N-(1,1-dimethylethyl)-6-iodo- (CA INDEX NAME)



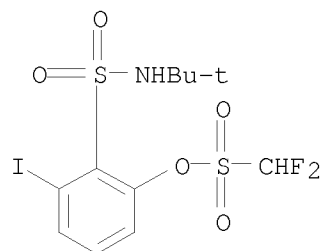
RN 1064279-69-1 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



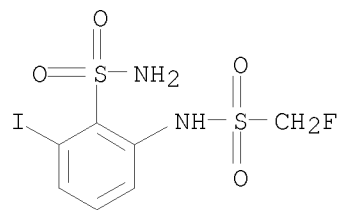
RN 1064279-98-6 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-, 2-(aminosulfonyl)-3-iodophenyl ester (CA INDEX NAME)



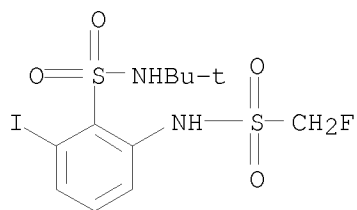
RN 1064281-03-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 2-[[[(1,1-dimethylethyl)amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)



RN 1064281-77-1 CAPLUS  
 CN Benzenesulfonamide, 2-[[[(fluoromethyl)sulfonyl]amino]-6-iodo- (CA INDEX NAME)

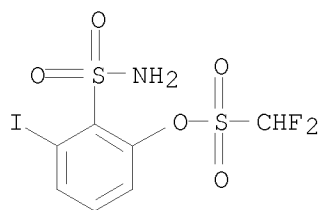


RN 1064283-48-2 CAPLUS  
 CN Benzenesulfonamide, N-(1,1-dimethylethyl)-2-[[[(fluoromethyl)sulfonyl]amino]-6-iodo- (CA INDEX NAME)



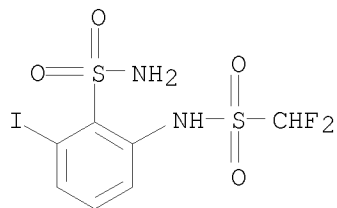
RN 1064284-36-1 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-, 2-(aminosulfonyl)-3-iodophenyl ester  
(CA INDEX NAME)



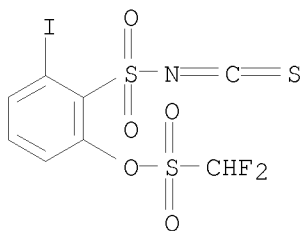
RN 1064286-53-8 CAPLUS

CN Benzenesulfonamide, 2-[[difluoromethyl)sulfonyl]amino]-6-iodo- (CA INDEX NAME)



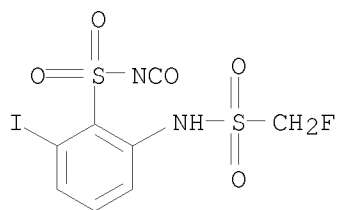
RN 1064463-23-5 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-,  
3-iodo-2-(isothiocyanatosulfonyl)phenyl ester (CA INDEX NAME)



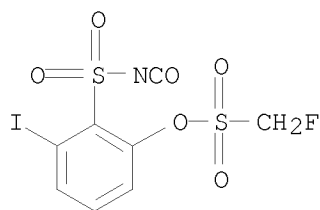
RN 1064463-75-7 CAPLUS

CN Benzenesulfonyl isocyanate, 2-[[difluoromethyl)sulfonyl]amino]-6-iodo- (CA INDEX NAME)



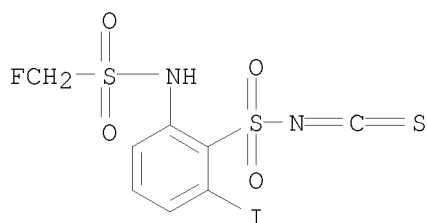
RN 1064464-46-5 CAPLUS

CN Methanesulfonic acid, 1-fluoro-, 3-iodo-2-(isocyanatosulfonyl)phenyl ester  
(CA INDEX NAME)



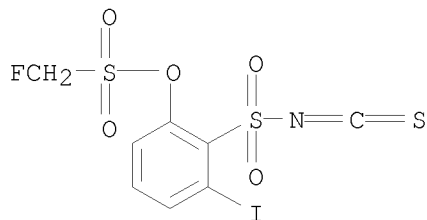
RN 1064465-50-4 CAPLUS

CN Benzenesulfonyl isothiocyanate, 2-[[ (fluoromethyl)sulfonyl]amino]-6-iodo-  
(CA INDEX NAME)



RN 1064466-76-7 CAPLUS

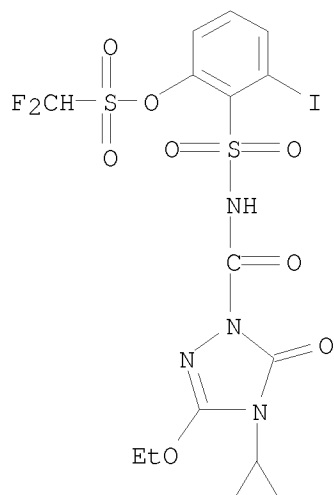
CN Methanesulfonic acid, 1-fluoro-, 3-iodo-2-(isothiocyanatosulfonyl)phenyl  
ester (CA INDEX NAME)



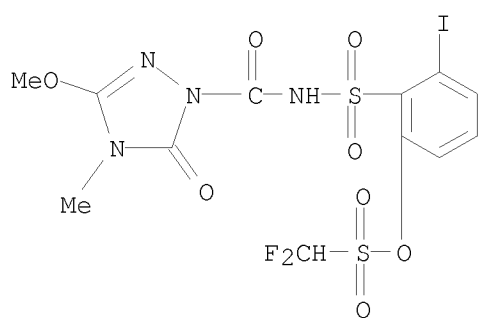
RN 1066570-80-6 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-,  
2-[[[(4-cyclopropyl-3-ethoxy-4,5-dihydro-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)

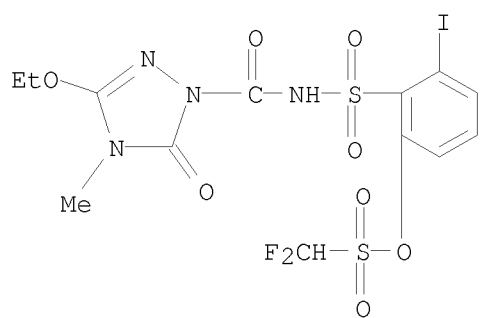




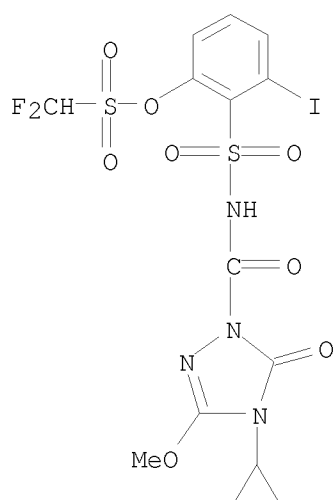
RN 1066572-86-8 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-,  
 2-[[[(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)



RN 1066572-87-9 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-,  
 2-[[[(3-ethoxy-4,5-dihydro-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)

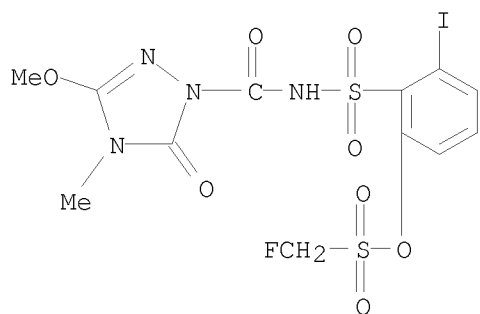


RN 1066572-88-0 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-,  
 2-[[[(4-cyclopropyl-4,5-dihydro-3-methoxy-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)



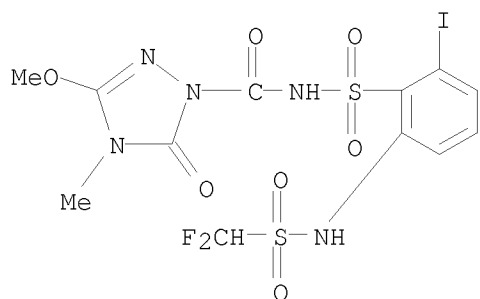
RN 1066572-89-1 CAPLUS

CN Methanesulfonic acid, 1-fluoro-, 2-[[[(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)



RN 1066576-36-0 CAPLUS

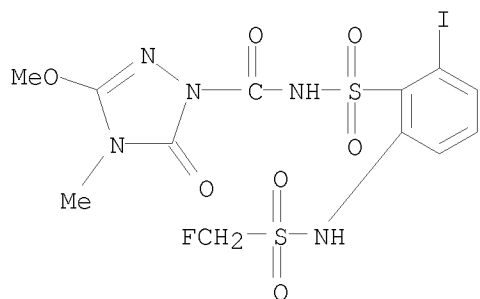
CN 1H-1,2,4-Triazole-1-carboxamide, N-[[2-[[[(difluoromethyl)sulfonyl]amino]-6-iodophenyl]sulfonyl]-4,5-dihydro-3-methoxy-4-methyl-5-oxo- (CA INDEX NAME)



RN 1066576-37-1 CAPLUS

CN 1H-1,2,4-Triazole-1-carboxamide, N-[[2-[[[(fluoromethyl)sulfonyl]amino]-6-iodophenyl]sulfonyl]-4,5-dihydro-3-methoxy-4-methyl-5-oxo- (CA INDEX NAME)

NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 38 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:1147664 CAPLUS

DOCUMENT NUMBER: 145:471566

TITLE: Preparation of iodophenyl azinyl sulfonylureas as herbicides and plant growth regulators.

INVENTOR(S): Waldruff, Christian; Dietrich, Hansjoerg; Ort, Oswald; Kehne, Heinz; Hills, Martin; Auler, Thomas; Mueller, Klaus-Helmut; Feucht, Dieter

PATENT ASSIGNEE(S): Bayer CropScience G.m.b.H., Germany

SOURCE: PCT Int. Appl., 118pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006114220	A1	20061102	WO 2006-EP3564	20060419
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 1717232	A1	20061102	EP 2005-9272	20050428
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU			
AU 2006239587	A1	20061102	AU 2006-239587	20060419
CA 2607473	A1	20061102	CA 2006-2607473	20060419
EP 1877386	A1	20080116	EP 2006-724419	20060419
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
US 20060264329	A1	20061123	US 2006-410287	20060425
MX 200713580	A	20080114	MX 2007-13580	20071026
CN 101166731	A	20080423	CN 2006-80014276	20071026

IN 2007CN04801 A 20080125 IN 2007-CN4801 20071029  
 PRIORITY APPLN. INFO.: EP 2005-9272 A 20050428  
 WO 2006-EP3564 W 20060419

OTHER SOURCE(S): MARPAT 145:471566

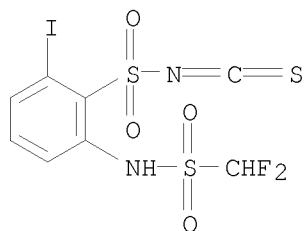
IT 1064270-69-4 1064271-45-9 1064272-62-3  
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 1064277-40-2 1064278-04-1 1064278-74-5  
 1064279-69-1 1064279-98-6 1064281-03-3  
 1064281-77-1 1064282-97-8 1064283-48-2  
 1064284-36-1 1064285-40-0 1064286-53-8  
 1064463-23-5 1064463-75-7 1064464-46-5  
 1064465-50-4 1064466-76-7 1064467-51-1  
 1064467-52-2 1064468-11-6 1064468-12-7

RL: PRPH (Prophetic)

(Preparation of iodophenyl azinyl sulfonylureas as herbicides and plant growth regulators.)

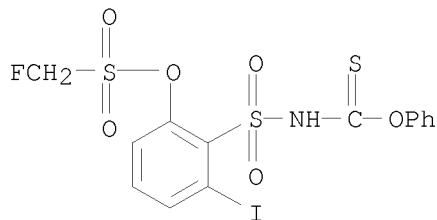
RN 1064270-69-4 CAPLUS

CN Benzenesulfonyl isothiocyanate, 2-[[ (difluoromethyl)sulfonyl]amino]-6-iodo-  
 (CA INDEX NAME)



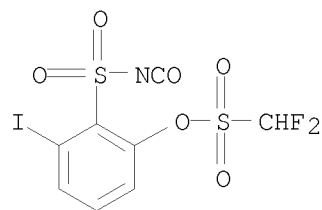
RN 1064271-45-9 CAPLUS

CN Methanesulfonic acid, 1-fluoro-, 3-iodo-2-  
 [[ (phenoxythioxomethyl)amino]sulfonyl]phenyl ester (CA INDEX NAME)



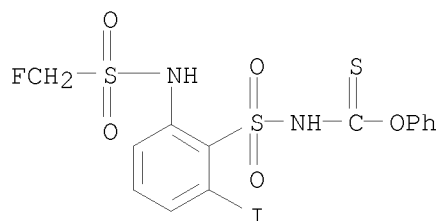
RN 1064272-62-3 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-, 3-iodo-2-(isocyanatosulfonyl)phenyl  
 ester (CA INDEX NAME)



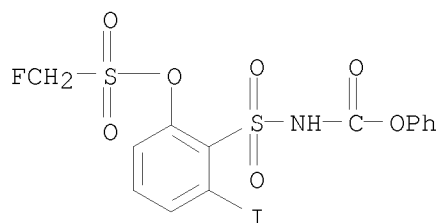
RN 1064273-08-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



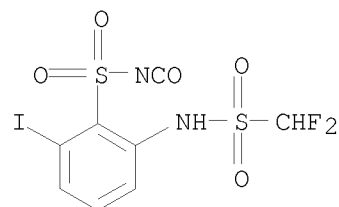
RN 1064273-73-9 CAPLUS

CN Methanesulfonic acid, 1-fluoro-, 3-iodo-2-  
[[phenoxycarbonyl]amino]sulfonyl]phenyl ester (CA INDEX NAME)



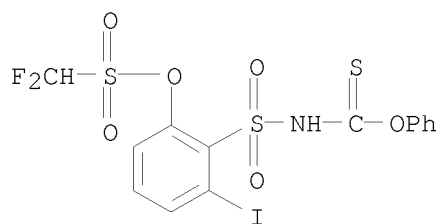
RN 1064274-35-6 CAPLUS

CN Benzenesulfonyl isocyanate, 2-[[difluoromethyl]sulfonyl]amino]-6-iodo-  
(CA INDEX NAME)



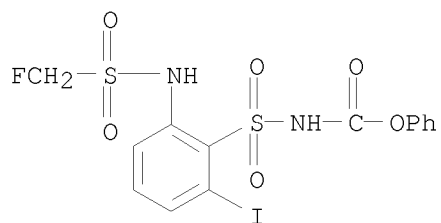
RN 1064275-10-0 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-,  
3-iodo-2-[[phenoxythioxomethyl]amino]sulfonyl]phenyl ester (CA INDEX  
NAME)



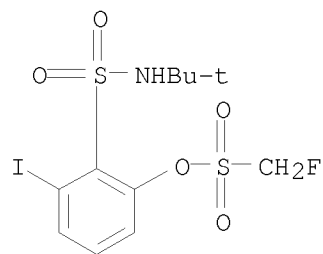
RN 1064275-40-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



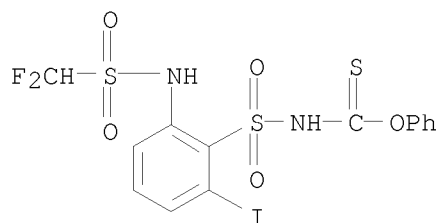
RN 1064276-65-8 CAPLUS

CN Methanesulfonic acid, 1-fluoro-, 2-[[[(1,1-dimethylethyl)amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)



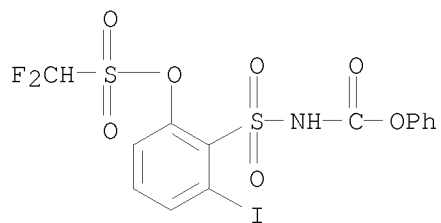
RN 1064277-40-2 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



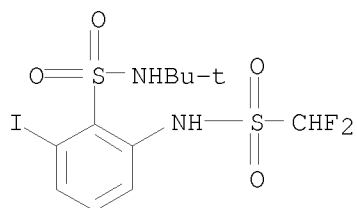
RN 1064278-04-1 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-, 3-iodo-2-[[[(phenoxy)amino]sulfonyl]phenyl ester (CA INDEX NAME)

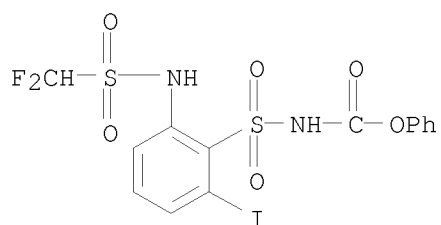


RN 1064278-74-5 CAPLUS

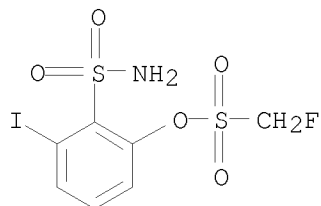
CN Benzenesulfonamide, 2-[[[(difluoromethyl)sulfonyl]amino]-N-(1,1-dimethylethyl)-6-iodo- (CA INDEX NAME)



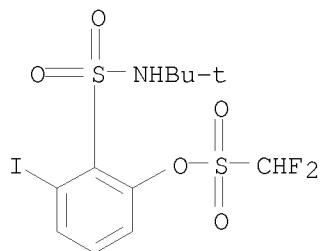
RN 1064279-69-1 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



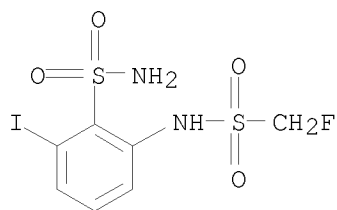
RN 1064279-98-6 CAPLUS  
CN Methanesulfonic acid, 1-fluoro-, 2-(aminosulfonyl)-3-iodophenyl ester (CA INDEX NAME)



RN 1064281-03-3 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, 2-[[[(1,1-dimethylethyl)amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)

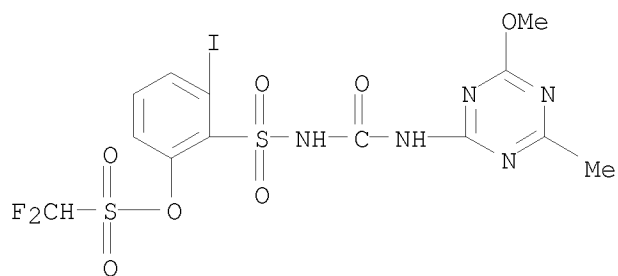


RN 1064281-77-1 CAPLUS  
CN Benzenesulfonamide, 2-[[[(fluoromethyl)sulfonyl]amino]-6-iodo- (CA INDEX NAME)



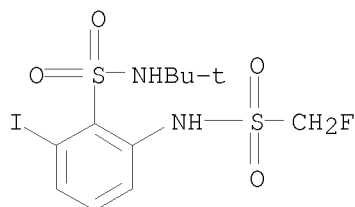
RN 1064282-97-8 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-,  
3-iodo-2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]phenyl ester (CA INDEX NAME)



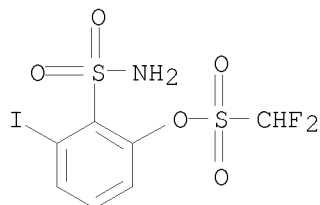
RN 1064283-48-2 CAPLUS

CN Benzenesulfonamide, N-(1,1-dimethylethyl)-2-  
[[[(fluoromethyl)sulfonyl]amino]-6-iodo- (CA INDEX NAME)



RN 1064284-36-1 CAPLUS

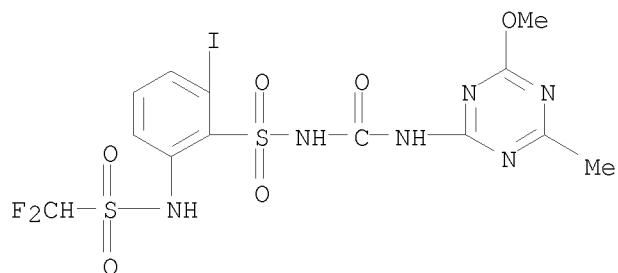
CN Methanesulfonic acid, 1,1-difluoro-, 2-(aminosulfonyl)-3-iodophenyl ester  
(CA INDEX NAME)



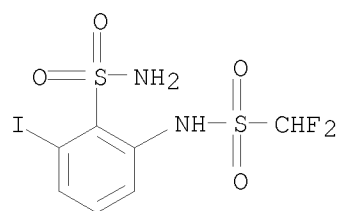
RN 1064285-40-0 CAPLUS

CN Benzenesulfonamide, 2-[[[(difluoromethyl)sulfonyl]amino]-6-iodo-N-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]- (CA INDEX NAME)

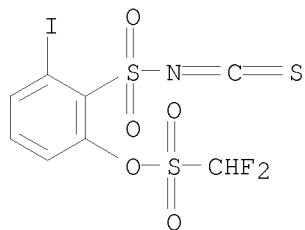




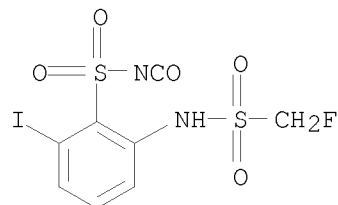
RN 1064286-53-8 CAPLUS  
 CN Benzenesulfonamide, 2-[[[(difluoromethyl)sulfonyl]amino]-6-iodo-4-methyl-1,3,5-triazin-2-yl]-6-iodo-4-methyl-1,3,5-triazin-2-yl]-6-iodo-4-methyl-1,3,5-triazin-2-yl (CA INDEX NAME)



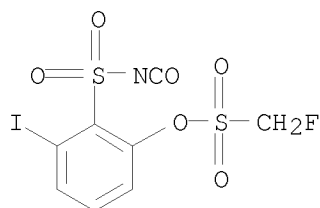
RN 1064463-23-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 3-iodo-2-(isothiocyantosulfonyl)phenyl ester (CA INDEX NAME)



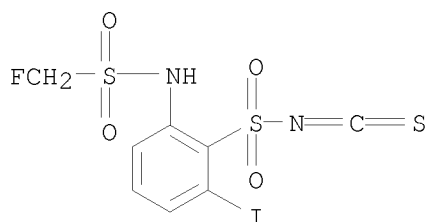
RN 1064463-75-7 CAPLUS  
 CN Benzenesulfonyl isocyanate, 2-[[[(fluoromethyl)sulfonyl]amino]-6-iodo-4-methyl-1,3,5-triazin-2-yl]-6-iodo-4-methyl-1,3,5-triazin-2-yl (CA INDEX NAME)



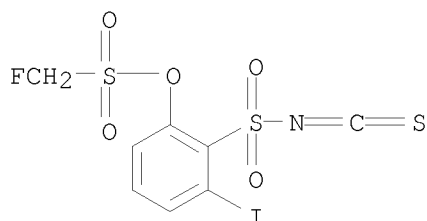
RN 1064464-46-5 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-, 3-iodo-2-(isocyanatosulfonyl)phenyl ester (CA INDEX NAME)



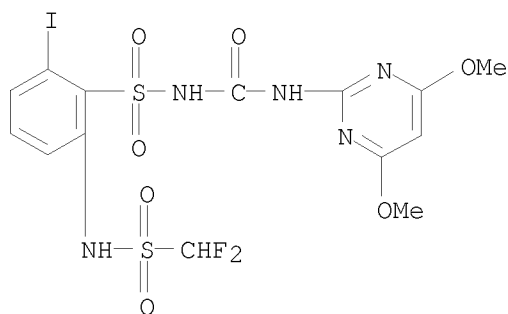
RN 1064465-50-4 CAPLUS  
 CN Benzenesulfonyl isothiocyanate, 2-[[[(fluoromethyl)sulfonyl]amino]-6-iodo-  
 (CA INDEX NAME)



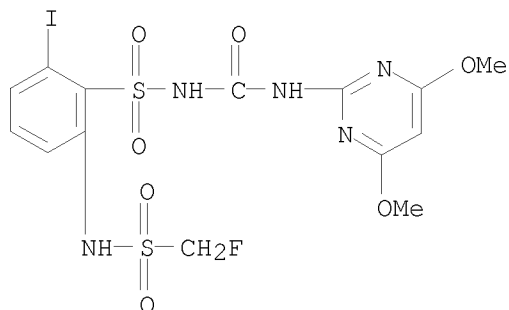
RN 1064466-76-7 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-, 3-iodo-2-(isothiocyanatosulfonyl)phenyl  
 ester (CA INDEX NAME)



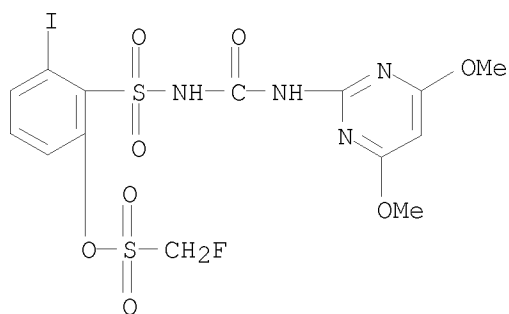
RN 1064467-51-1 CAPLUS  
 CN Benzenesulfonamide, 2-[[[(difluoromethyl)sulfonyl]amino]-N-[[[(4,6-dimethoxy-  
 2-pyrimidinyl)amino]carbonyl]-6-iodo- (CA INDEX NAME)



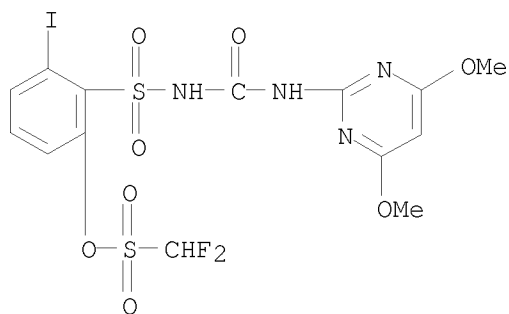
RN 1064467-52-2 CAPLUS  
 CN Benzenesulfonamide, N-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-2-  
 [[[(fluoromethyl)sulfonyl]amino]-6-iodo- (CA INDEX NAME)



RN 1064468-11-6 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-, 2-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)



RN 1064468-12-7 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 2-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-3-iodophenyl ester (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 39 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:794296 CAPLUS

DOCUMENT NUMBER: 145:223215

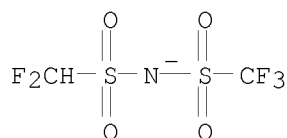
TITLE: Bis(perfluoroalkylsulfonyl)imides for nonaqueous electrolyte solutions and electrochemical devices

INVENTOR(S): Nagakura, Naoto; Matsunaga, Tomonori; Matsuoka, Hitoshi

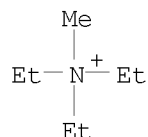
PATENT ASSIGNEE(S): Tokuyama Corp., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006210259	A	20060810	JP 2005-23721	20050131

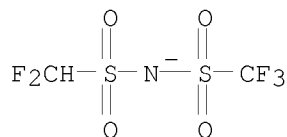
PRIORITY APPLN. INFO.: JP 2005-23721 20050131  
 OTHER SOURCE(S): MARPAT 145:223215  
 IT 904930-27-4P 904930-28-5P  
 RL: DEV (Device component use); IMF (Industrial manufacture); TEM  
 (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (bis(perfluoroalkylsulfonyl)imide salts containing fluoroalkylsulfonylimide  
 salts for nonaq. electrolyte solns. in electrochem. devices)  
 RN 904930-27-4 CAPLUS  
 CN Ethanaminium, N,N-diethyl-N-methyl-, salt with  
 N-[(difluoromethyl)sulfonyl]-1,1,1-trifluoromethanesulfonamide (1:1) (9CI)  
 (CA INDEX NAME)  
 CM 1  
 CRN 904930-26-3  
 CMF C2 H F5 N O4 S2



CM 2  
 CRN 302-57-8  
 CMF C7 H18 N



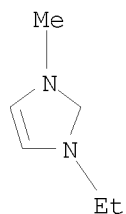
RN 904930-28-5 CAPLUS  
 CN 1H-Imidazolium, 1-ethyl-3-methyl-, salt with  
 N-[(difluoromethyl)sulfonyl]-1,1,1-trifluoromethanesulfonamide (1:1) (9CI)  
 (CA INDEX NAME)  
 CM 1  
 CRN 904930-26-3  
 CMF C2 H F5 N O4 S2



CM 2

CRN 65039-03-4

CMF C6 H11 N2



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L17 ANSWER 40 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:702349 CAPLUS

DOCUMENT NUMBER: 145:146187

TITLE: Method for preparing perfluoroalkane sulfofluorides

INVENTOR(S): Il'in, A. N.; Kuznetsov, A. D.; Denisenkov, V. F.;  
Nurgalieva, S. M.; Kaurova, G. I.; Moldavskii, D. D.;  
Bispen, T. A.

PATENT ASSIGNEE(S): Otkrytoe Aktsionernoe Obshchestvo "Galogen", Russia

SOURCE: Russ., 4 pp.  
CODEN: RUXXE7

DOCUMENT TYPE: Patent

LANGUAGE: Russian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RU 2280030	C1	20060720	RU 2004-138037	20041224
PRIORITY APPLN. INFO.:			RU 2004-138037	20041224

OTHER SOURCE(S): MARPAT 145:146187

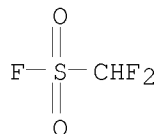
IT 1554-47-8 2127-74-4 108858-10-2

RL: RCT (Reactant); RACT (Reactant or reagent)

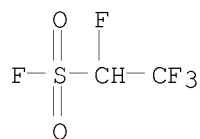
(trifluoromethanesulfonyl fluoride, pentafluoroethanesulfonyl fluoride  
and heptafluoro-1-propanesulfonyl fluoride prepared by gas phase  
fluorination of monohydroperfluoroalkane sulfofluorides)

RN 1554-47-8 CAPLUS

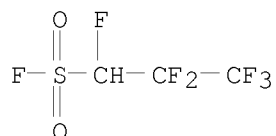
CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



RN 2127-74-4 CAPLUS  
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



RN 108858-10-2 CAPLUS  
CN 1-Propanesulfonyl fluoride, 1,2,2,3,3,3-hexafluoro- (CA INDEX NAME)



L17 ANSWER 41 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2006:600584 CAPLUS  
DOCUMENT NUMBER: 145:53338  
TITLE: Photosensitive resin composition containing organic sulfonic acid generator and pattern-formation using it  
INVENTOR(S): Wada, Kenji  
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 80 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

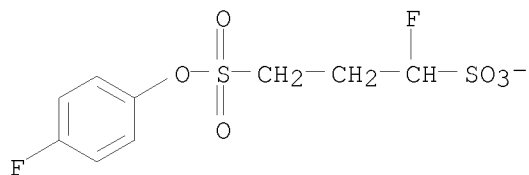
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2006162735	A	20060622	JP 2004-350884	20041203
PRIORITY APPLN. INFO.:			JP 2004-350884	20041203
OTHER SOURCE(S):	MARPAT 145:53338			
IT 890306-20-4				

RL: TEM (Technical or engineered material use); USES (Uses)  
(photosensitive resin composition containing organic sulfonic acid generator)

RN 890306-20-4 CAPLUS  
CN Sulfonium, triphenyl-, 4-fluorophenyl hydrogen  
1-fluoro-1,3-propanedisulfonate (1:1) (CA INDEX NAME)

CM 1

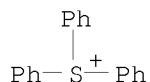
CRN 890306-19-1  
CMF C9 H9 F2 O6 S2



CM 2

CRN 18393-55-0

CMF C18 H15 S



L17 ANSWER 42 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:446113 CAPLUS

DOCUMENT NUMBER: 144:474921

TITLE: Antipyretic compositions and methods

INVENTOR(S): Basile, Anthony; Stern, Warren

PATENT ASSIGNEE(S): Dov Pharmaceutical, Inc., USA

SOURCE: PCT Int. Appl., 44 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

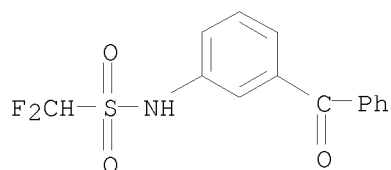
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006050520	A2	20060511	WO 2005-US40163	20051104
WO 2006050520	A3	20061012		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
US 20060100263	A1	20060511	US 2005-263045	20051031
EP 1807071	A2	20070718	EP 2005-851380	20051104
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
PRIORITY APPLN. INFO.:			US 2004-625207P	P 20041105
			WO 2005-US40163	W 20051104
IT 22737-01-5,				
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)				
(bicifadine antipyretic compns. and methods)				

RN 22737-01-5 CAPLUS  
CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
(CA INDEX NAME)



L17 ANSWER 43 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2006:410208 CAPLUS  
DOCUMENT NUMBER: 144:450722  
TITLE: Oxidation process for the preparation of phenyl  
2-pyrimidinyl ketones and their corresponding sulfide  
of sulfoxides  
INVENTOR(S): Araki, Koichi; Sato, Yoshitaka; Ford, Mark James  
PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
SOURCE: PCT Int. Appl., 19 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006045612	A1	20060504	WO 2005-EP11531	20051028
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
JP 2006124347	A	20060518	JP 2004-317222	20041029
EP 1807401	A1	20070718	EP 2005-806519	20051028
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 101048387	A	20071003	CN 2005-80037325	20051028
JP 2008517967	T	20080529	JP 2007-538335	20051028
BR 2005017388	A	20081007	BR 2005-17388	20051028
MX 200705171	A	20070622	MX 2007-5171	20070427
KR 2007070200	A	20070703	KR 2007-709735	20070427
US 20080004444	A1	20080103	US 2007-666496	20070427
PRIORITY APPLN. INFO.:			JP 2004-317222	A 20041029
			WO 2005-EP11531	W 20051028
OTHER SOURCE(S):	CASREACT 144:450722; MARPAT 144:450722			
IT 1512-30-7,	Difluoromethanesulfonyl chloride			

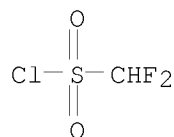


RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of aminoaryl pyrimidyl ketones and [(aminoaryl)pyrimidyl] Me sulfoxides via oxidation of [(aminoaryl)pyrimidyl] Me sulfides)

RN 1512-30-7 CAPLUS

CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



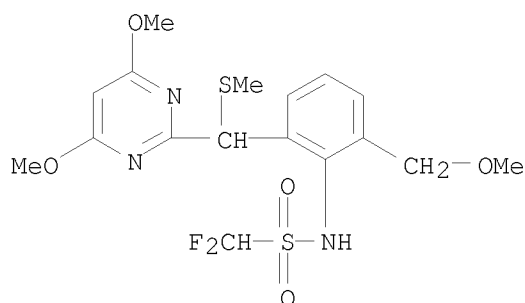
IT 885604-42-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of aminoaryl pyrimidyl ketones and [(aminoaryl)pyrimidyl] Me sulfoxides via oxidation of [(aminoaryl)pyrimidyl] Me sulfides)

RN 885604-42-2 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylthio)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



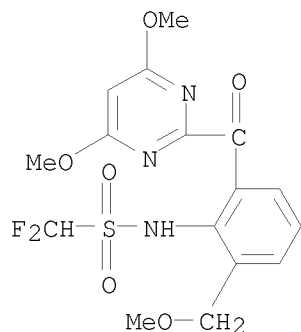
IT 885604-41-1P 885604-43-3P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of aminoaryl pyrimidyl ketones and [(aminoaryl)pyrimidyl] Me sulfoxides via oxidation of [(aminoaryl)pyrimidyl] Me sulfides)

RN 885604-41-1 CAPLUS

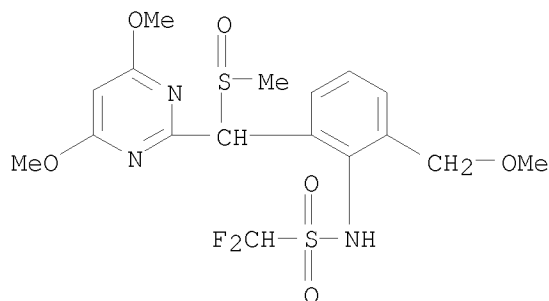
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 885604-43-3 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-

pyrimidinyl)(methylsulfinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-  
(CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 44 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:268829 CAPLUS

DOCUMENT NUMBER: 144:306868

TITLE: Synergistic herbicidal compositions containing  
pyridinesulfonamides

INVENTOR(S): Kikugawa, Hiroshi; Ohno, Ken

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan

SOURCE: PCT Int. Appl., 149 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006030917	A1	20060323	WO 2005-JP17198	20050916
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
JP 2007045805	A	20070222	JP 2005-267877	20050915
CN 101022731	A	20070822	CN 2005-80031470	20050916
BR 2005015459	A	20080722	BR 2005-15459	20050916
IN 2007KN00754	A	20070713	IN 2007-KN754	20070301
US 20070232492	A1	20071004	US 2007-575229	20070314
KR 2007054656	A	20070529	KR 2007-706030	20070315
PRIORITY APPLN. INFO.:			JP 2004-271283	A 20040917
			JP 2004-307850	A 20041022
			JP 2004-334938	A 20041118
			JP 2004-353851	A 20041207
			JP 2004-367296	A 20041220
			JP 2005-35195	A 20050210
			JP 2005-51663	A 20050225

JP 2005-67110 A 20050310  
 JP 2005-202840 A 20050712  
 WO 2005-JP17198 W 20050916

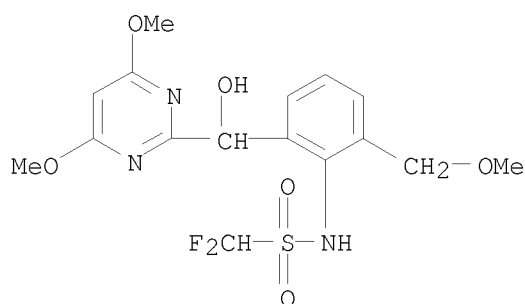
OTHER SOURCE(S): MARPAT 144:306868

IT 221205-90-9D, Pyrimisulfan, mixts.

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (pyrimisulfan; synergistic broad-spectrum herbicides containing pyridinesulfonamides and)

RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



IT 879128-30-0 879128-31-1

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (synergistic broad-spectrum herbicide)

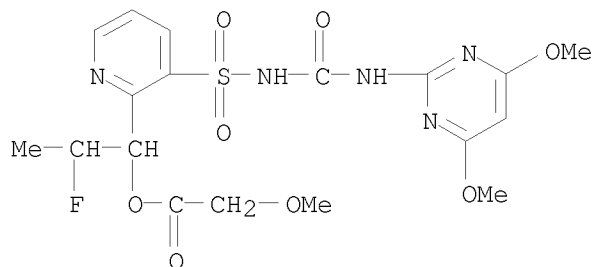
RN 879128-30-0 CAPLUS

CN Acetic acid, methoxy-, 1-[3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 412928-75-7

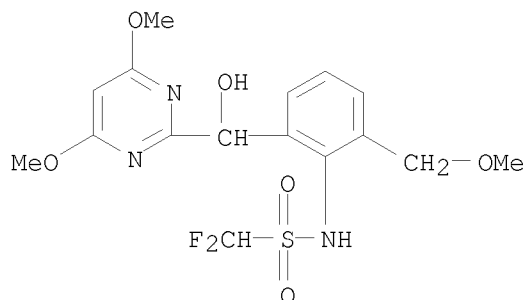
CMF C18 H22 F N5 O8 S



CM 2

CRN 221205-90-9

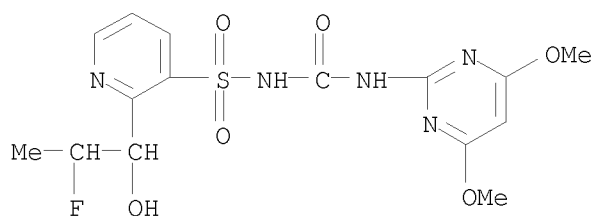
CMF C16 H19 F2 N3 O6 S



RN 879128-31-1 CAPLUS  
 CN 3-Pyridinesulfonamide, N-[[ (4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-2-(2-fluoro-1-hydroxypropyl)-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

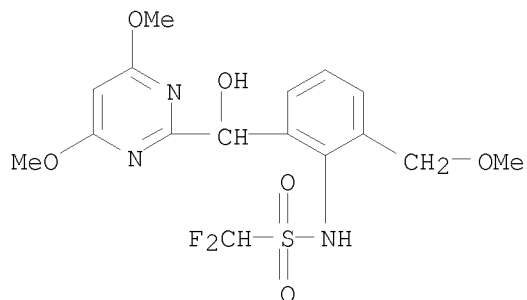
CM 1

CRN 485366-66-3  
 CMF C15 H18 F N5 O6 S



CM 2

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 45 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:151126 CAPLUS  
 DOCUMENT NUMBER: 144:207370

TITLE: Herbicidal compositions safened with benzoic acid derivatives  
 INVENTOR(S): Ikeuchi, Toshihiro; Ohkawa, Tetsuo; Ohno, Shuji; Kawasaki, Hiroshi; Hanai, Ryo; Ogawa, Yasunori; Fujinami, Makoto  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006016527	A1	20060216	WO 2005-JP14380	20050805
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1776863	A1	20070425	EP 2005-768752	20050805
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 101001523	A	20070718	CN 2005-80027215	20050805
BR 2005014239	A	20080603	BR 2005-14239	20050805
KR 2007053744	A	20070525	KR 2007-705544	20070309
PRIORITY APPLN. INFO.:			JP 2004-234798	A 20040811
			WO 2005-JP14380	W 20050805

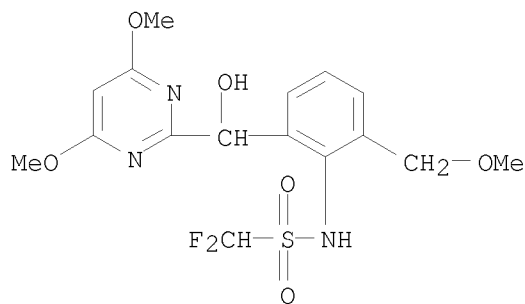
OTHER SOURCE(S): MARPAT 144:207370

IT 221205-90-9

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (herbicide safening with benzoic acid derivs.)

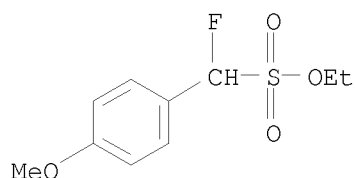
RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

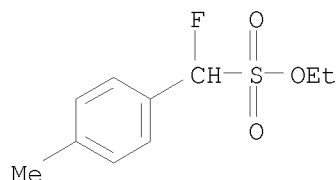


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2006:112612 CAPLUS  
 DOCUMENT NUMBER: 146:121547  
 TITLE: Product class 6: benzylic fluorides  
 AUTHOR(S): Murthy, A. Sai Krishna; Tardivel, R.; Gree, R.  
 CORPORATE SOURCE: Recherche CNRS, Universite de Rennes I, Rennes, 35042, Fr.  
 SOURCE: Science of Synthesis (2006), Volume Date 2005, 34, 295-317  
 CODEN: SSCYJ9  
 PUBLISHER: Georg Thieme Verlag  
 DOCUMENT TYPE: Journal; General Review  
 LANGUAGE: English  
 IT 125575-27-1P 135420-02-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (review of preparation of benzylic fluorides)  
 RN 125575-27-1 CAPLUS  
 CN Benzenemethanesulfonic acid,  $\alpha$ -fluoro-4-methoxy-, O-ethyl ester (CA INDEX NAME)



RN 135420-02-9 CAPLUS  
 CN Benzenemethanesulfonic acid,  $\alpha$ -fluoro-4-methyl-, O-ethyl ester (CA INDEX NAME)



REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

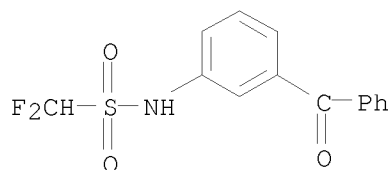
L17 ANSWER 47 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:100738 CAPLUS  
 DOCUMENT NUMBER: 144:198849  
 TITLE: Novel dosage form comprising modified-release and immediate-release active ingredients  
 INVENTOR(S): Vaya, Navin; Karan, Rajesh Singh; Sadanand, Sunil; Gupta, Vinod Kumar  
 PATENT ASSIGNEE(S): India  
 SOURCE: U.S. Pat. Appl. Publ., 49 pp., Cont.-in-part of U.S. Ser. No. 630,446.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 20060024365	A1	20060202	US 2005-134633	20050519
IN 2002MU00697	A	20040529	IN 2002-MU697	20020805
IN 193042	A1	20040626		
IN 2002MU00699	A	20040529	IN 2002-MU699	20020805
IN 2003MU00080	A	20050204	IN 2003-MU80	20030122
IN 2003MU00082	A	20050204	IN 2003-MU82	20030122
US 20040096499	A1	20040520	US 2003-630446	20030729
PRIORITY APPLN. INFO.:			IN 2002-MU697	A 20020805
			IN 2002-MU699	A 20020805
			IN 2003-MU80	A 20030122
			IN 2003-MU82	A 20030122
			US 2003-630446	A2 20030729

IT 22737-01-5, Diflumidone sodium  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (novel dosage form comprising modified-release and immediate-release  
 active ingredients)  
 RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
 (CA INDEX NAME)



● Na

L17 ANSWER 48 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:79060 CAPLUS  
 DOCUMENT NUMBER: 144:144740  
 TITLE: Preparation of sulfonanilides as agricultural and  
 horticultural fungicide  
 INVENTOR(S): Araki, Koichi; Kudo, Sachio; Sato, Yoshitaka; Ito,  
 Masahito; Gomibuchi, Takuya; Araki, Yasuo; Inuta,  
 Tetsuya; Endo, Keiji; Shirakura, Shinichi; Nakamura,  
 Shin  
 PATENT ASSIGNEE(S): Bayer CropScience AG, Germany  
 SOURCE: PCT Int. Appl., 129 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2006008159	A1	20060126	WO 2005-EP7948	20050721
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				

IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

JP 2006056871	A	20060302	JP 2005-73005	20050315
AU 2005263618	A1	20060126	AU 2005-263618	20050721
EP 1773124	A1	20070418	EP 2005-761888	20050721
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1988802	A	20070627	CN 2005-80024638	20050721
JP 2008507485	T	20080313	JP 2007-521903	20050721
BR 2005013736	A	20080513	BR 2005-13736	20050721
KR 2007035583	A	20070330	KR 2007-701566	20070122
IN 2007CN00282	A	20070824	IN 2007-CN282	20070123
US 20070219199	A1	20070920	US 2007-632832	20070319

PRIORITY APPLN. INFO.:

JP 2004-216399	A	20040723
JP 2005-73005	A	20050315
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OTHER SOURCE(S): MARPAT 144:144740

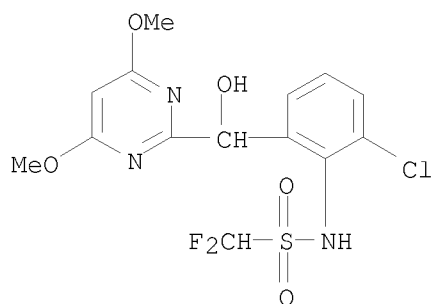
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RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
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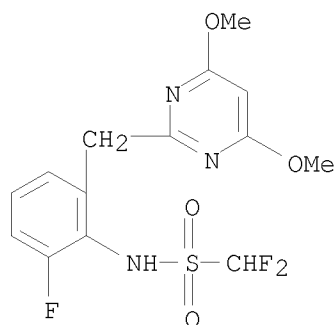
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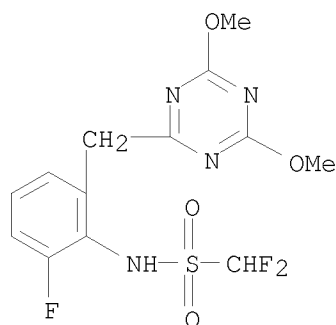
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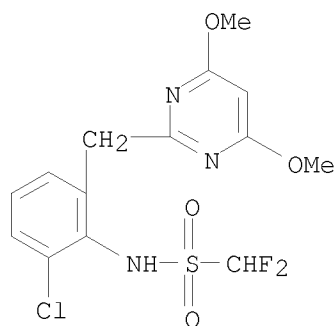
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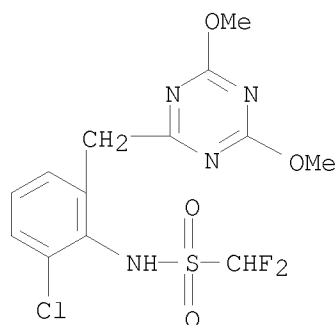
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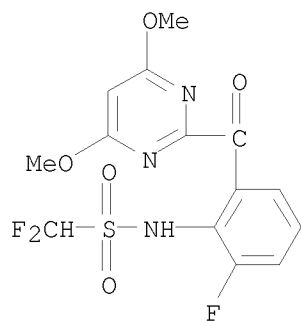
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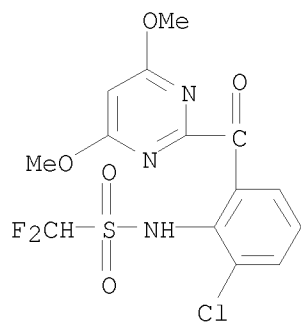
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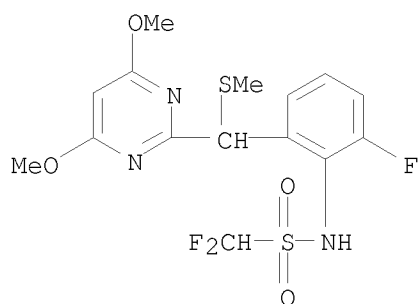


RN 866128-75-8 CAPLUS

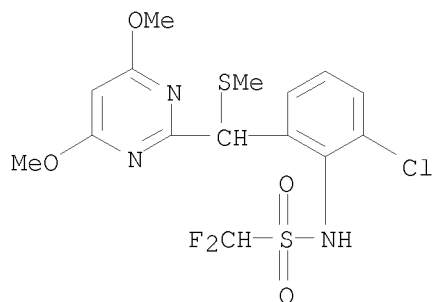
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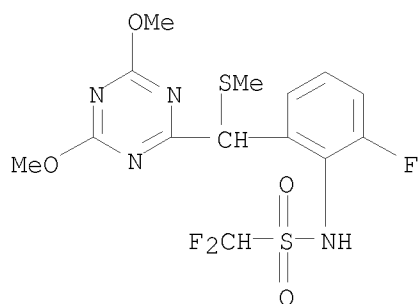
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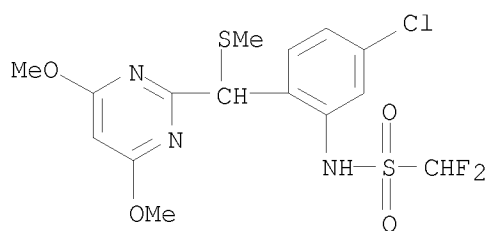
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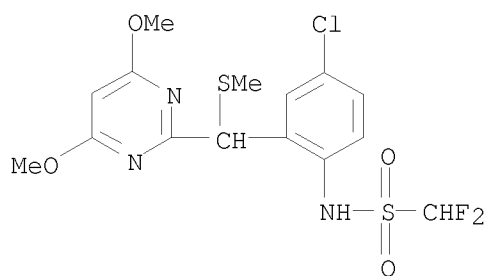
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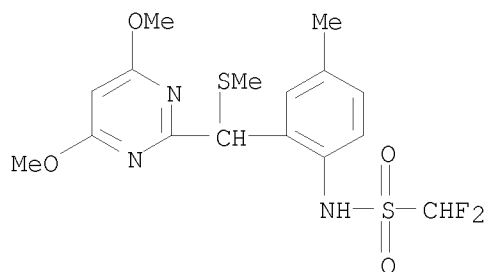
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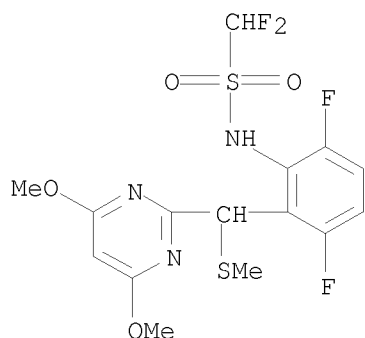
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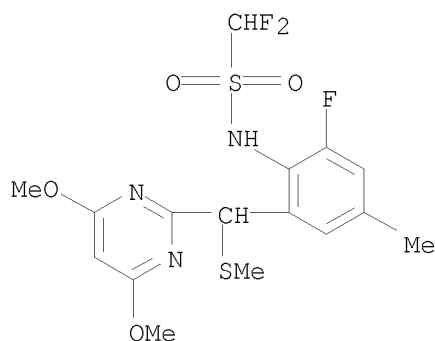
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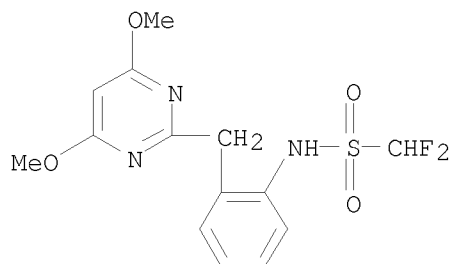
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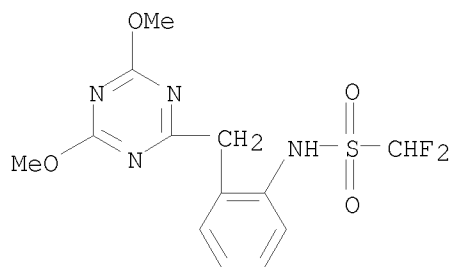
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RN 874194-92-0 CAPLUS  
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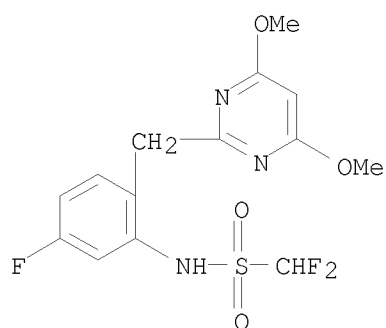


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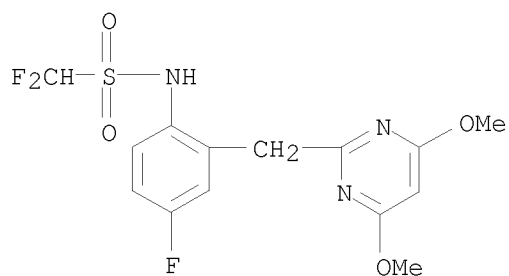
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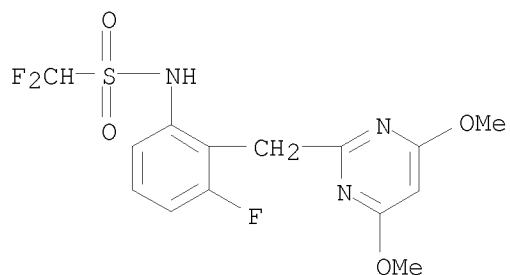
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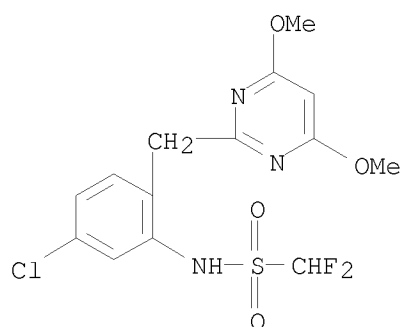


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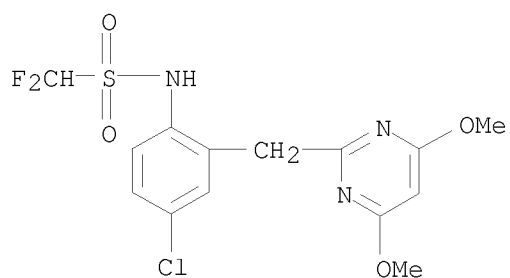
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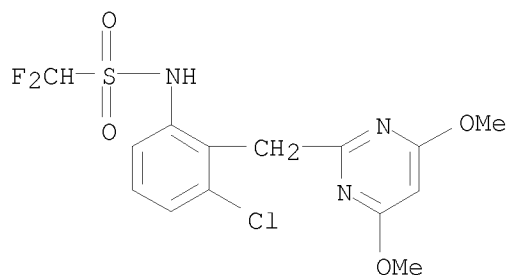
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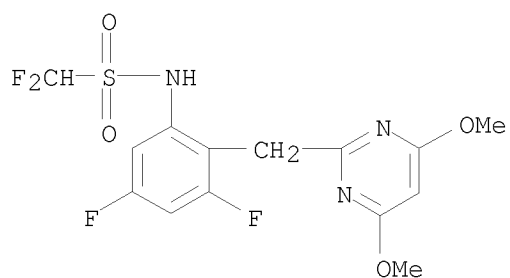
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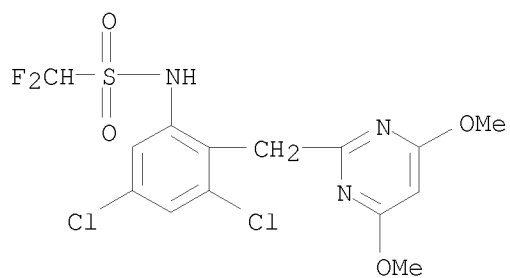
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RN 874195-05-8 CAPLUS  
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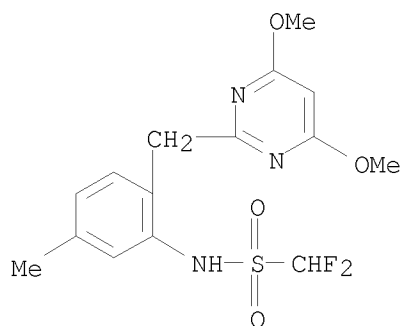


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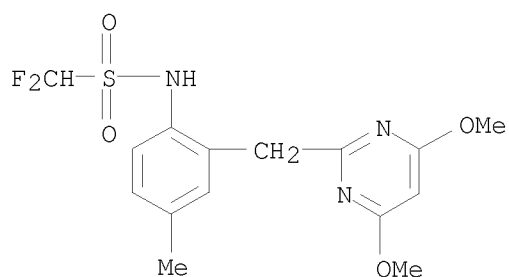
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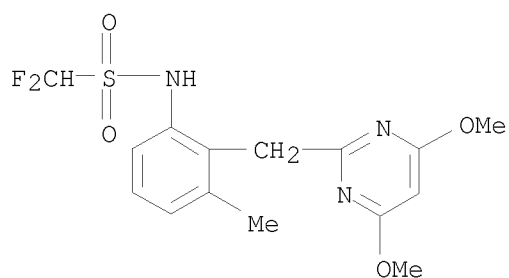
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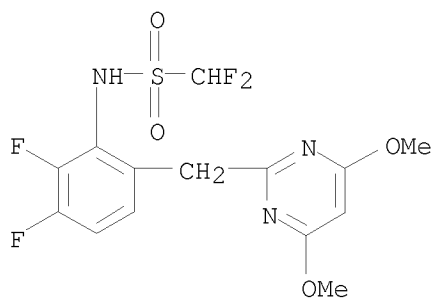
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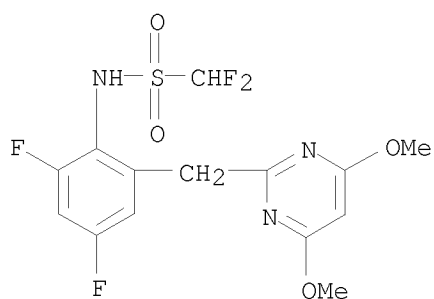
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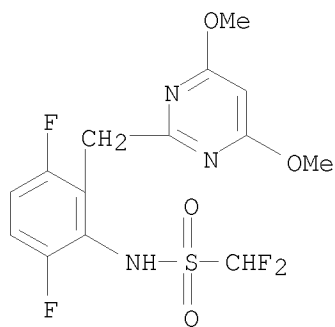
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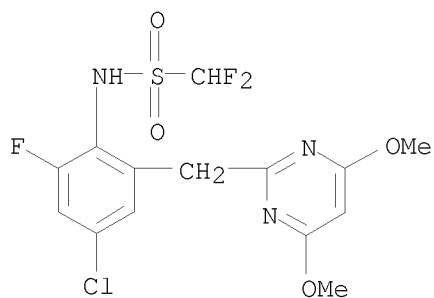
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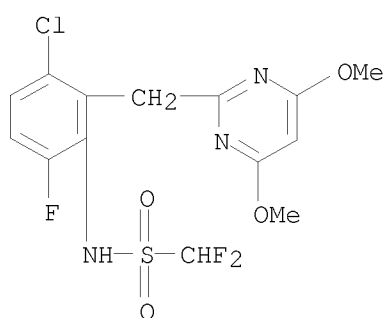
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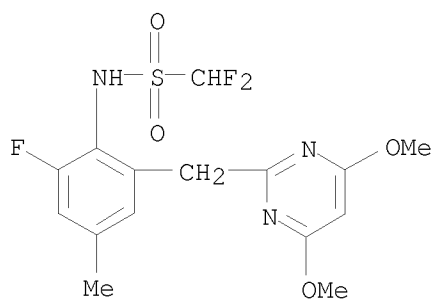
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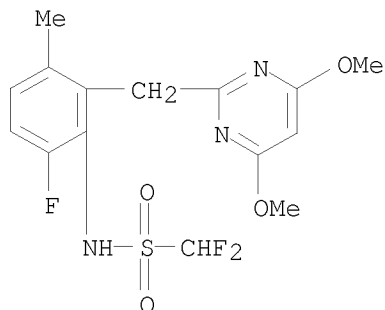
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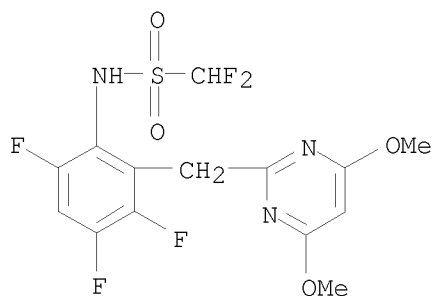
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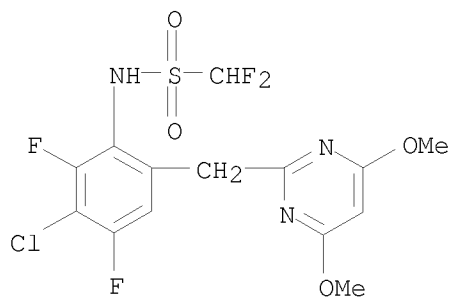
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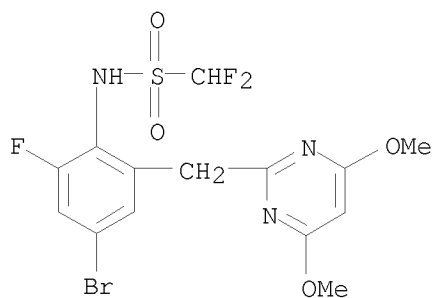
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CN Methanesulfonamide, N-[3-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-2,4-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)



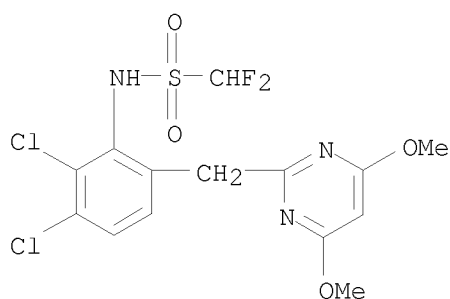
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CN Methanesulfonamide, N-[4-bromo-2-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



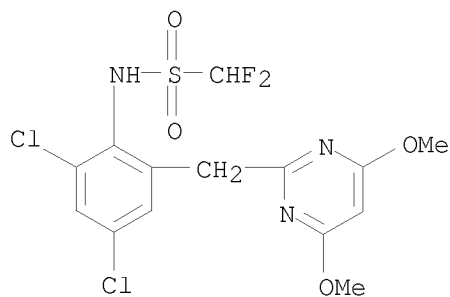
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CN Methanesulfonamide, N-[2,3-dichloro-6-[(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



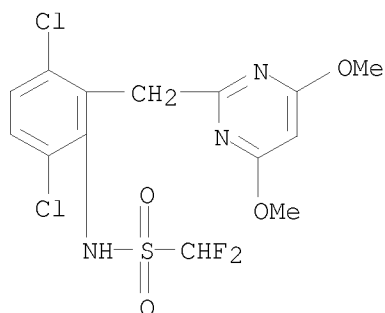
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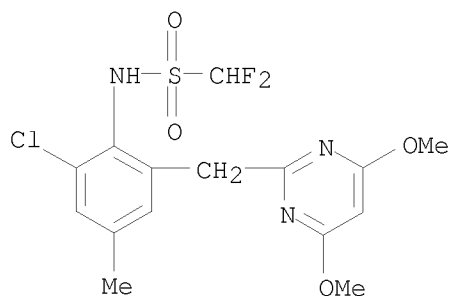
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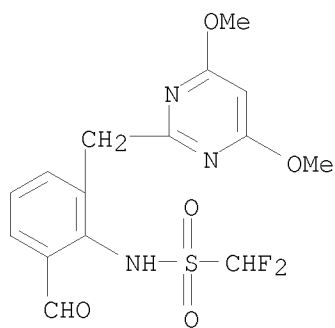
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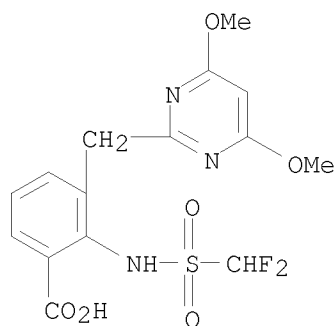
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CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-formylphenyl]-1,1-difluoro- (CA INDEX NAME)



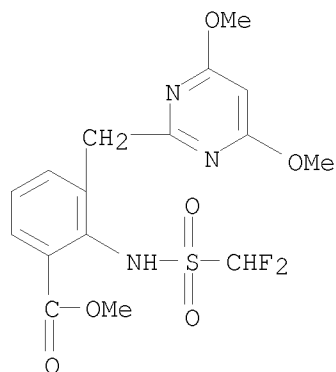
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CN Benzoic acid, 2-[[[(difluoromethyl)sulfonyl]amino]-3-[(4,6-dimethoxy-2-pyrimidinyl)methyl]- (CA INDEX NAME)



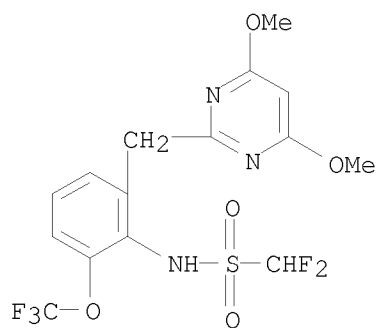
RN 874195-44-5 CAPLUS

CN Benzoic acid, 2-[[[(difluoromethyl)sulfonyl]amino]-3-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-, methyl ester (CA INDEX NAME)



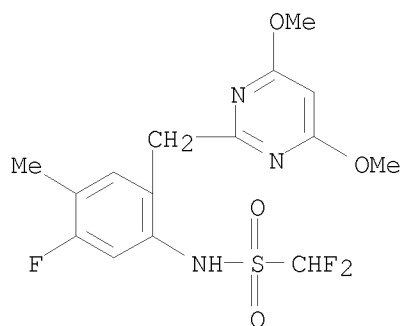
RN 874195-46-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(trifluoromethoxy)phenyl]-1,1-difluoro- (CA INDEX NAME)



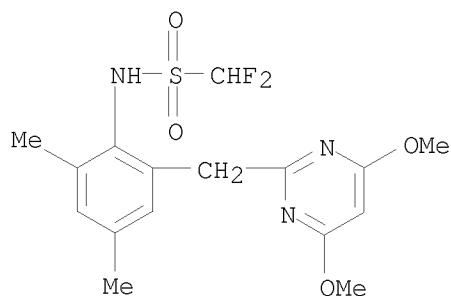
RN 874195-48-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluoro-4-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



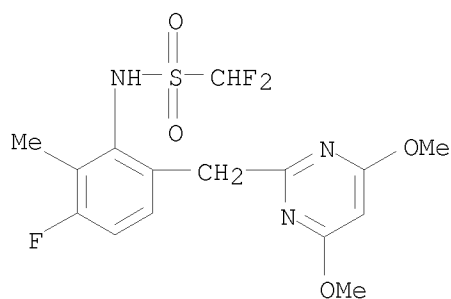
RN 874195-51-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-4,6-dimethylphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 874195-53-6 CAPLUS

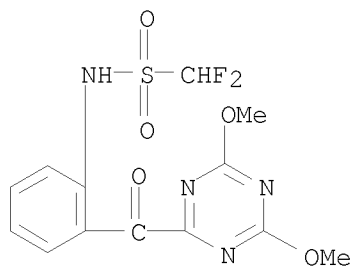
CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-3-fluoro-2-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 874195-59-2 CAPLUS

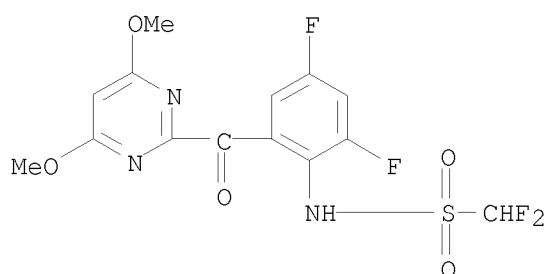
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]phenyl]-1,1-difluoro- (CA INDEX NAME)





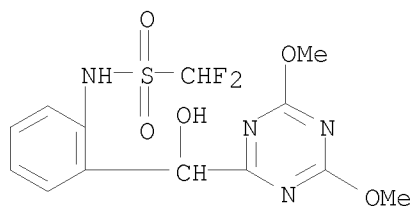
RN 874195-63-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]-4,6-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)



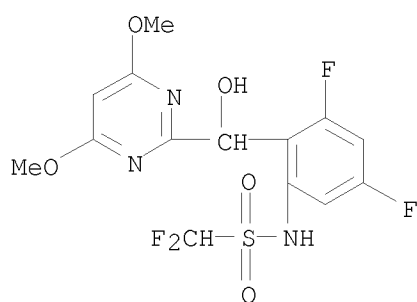
RN 874195-65-0 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



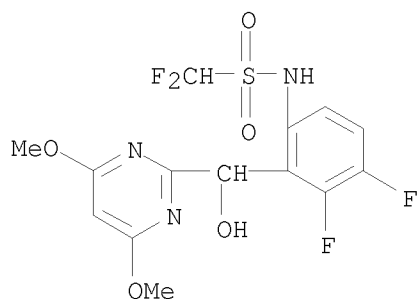
RN 874195-67-2 CAPLUS

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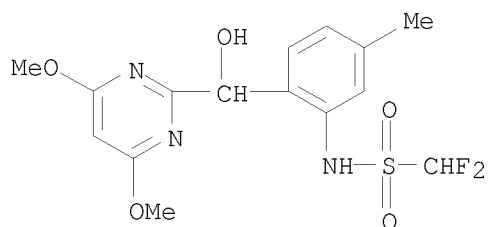
RN 874195-69-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-3,4-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)



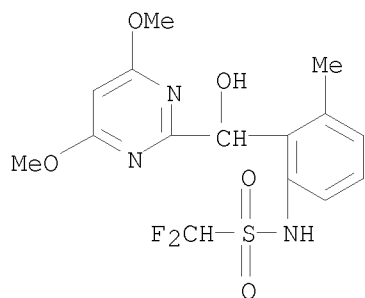
RN 874195-71-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-5-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



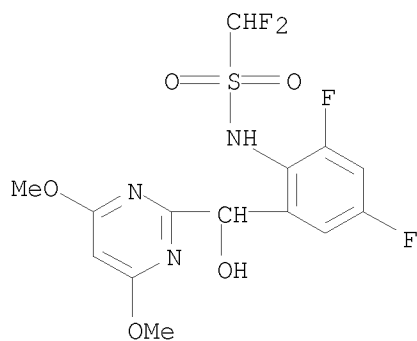
RN 874195-73-0 CAPLUS

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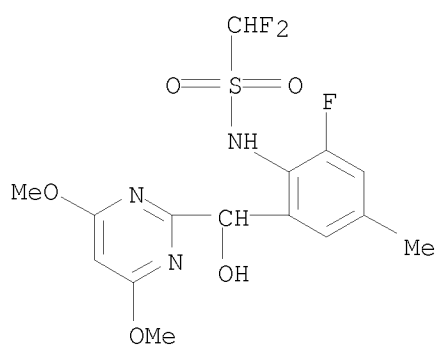
RN 874195-75-2 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-4,6-difluorophenyl]-1,1-difluoro- (CA INDEX NAME)



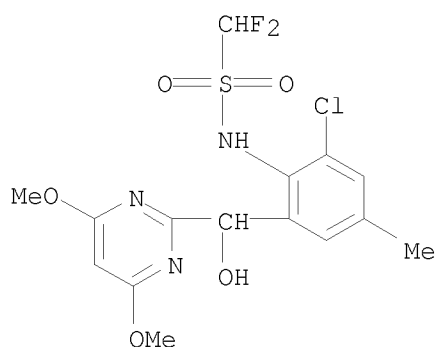
RN 874195-77-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluoro-4-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



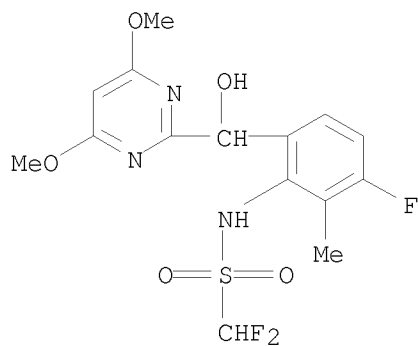
RN 874195-79-6 CAPLUS

CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-4-methylphenyl]-1,1-difluoro- (CA INDEX NAME)

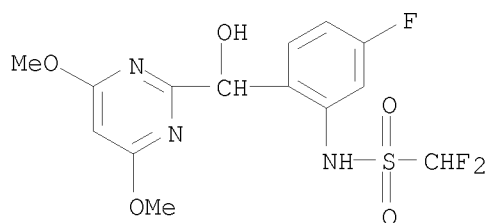


RN 874195-81-0 CAPLUS

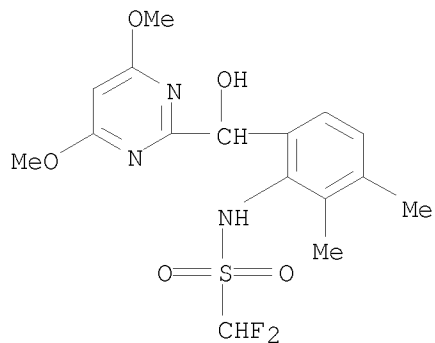
CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-3-fluoro-2-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



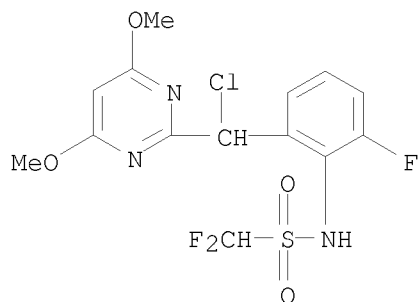
RN 874195-83-2 CAPLUS  
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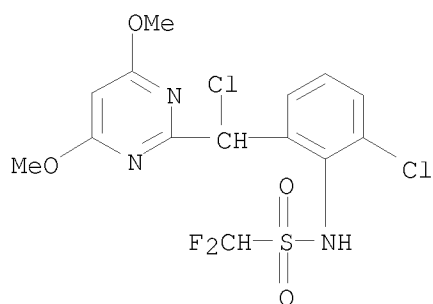
RN 874195-85-4 CAPLUS  
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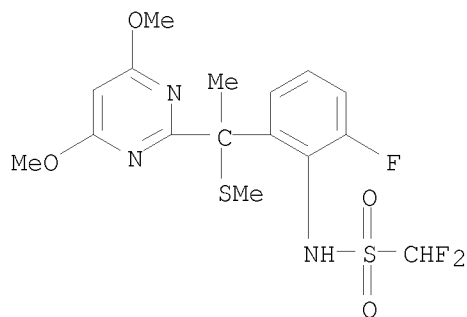
RN 874195-87-6 CAPLUS  
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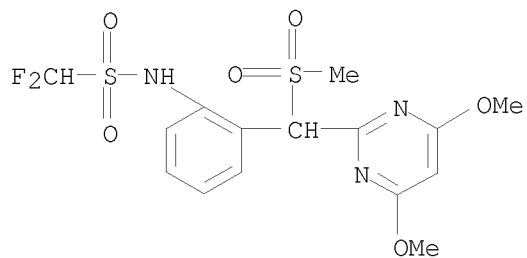
RN 874195-89-8 CAPLUS  
 CN Methanesulfonamide, N-[2-chloro-6-[chloro(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 874195-90-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[1-(4,6-dimethoxy-2-pyrimidinyl)-1-(methylthio)ethyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

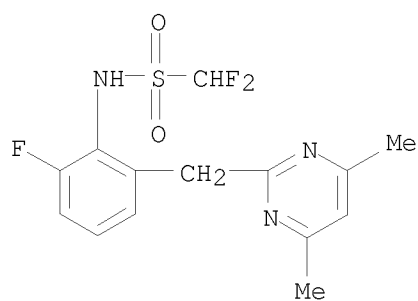


RN 874195-91-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[1-(4,6-dimethoxy-2-pyrimidinyl)-1-(methylthio)ethyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



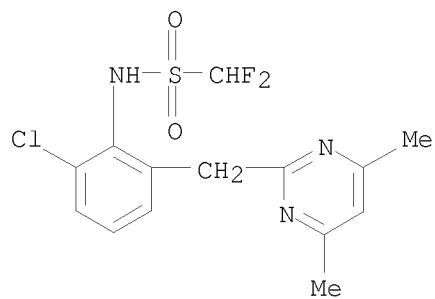
RN 874195-93-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethyl-2-pyrimidinyl)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



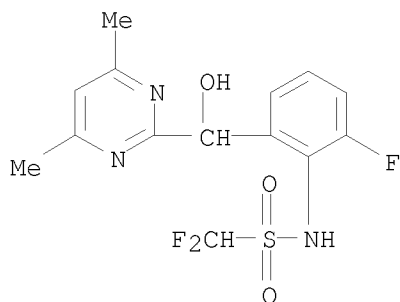
RN 874195-95-6 CAPLUS

CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethyl-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



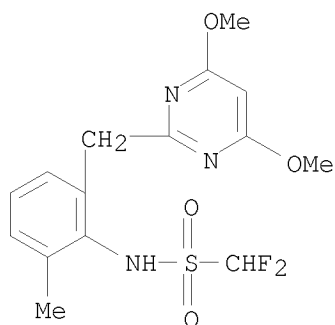
RN 874195-97-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethyl-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



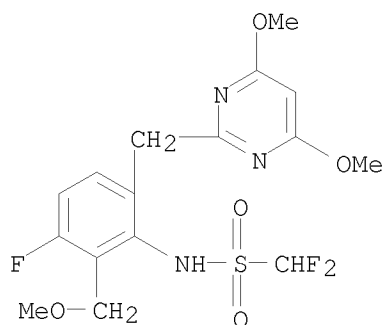
RN 874196-22-2 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



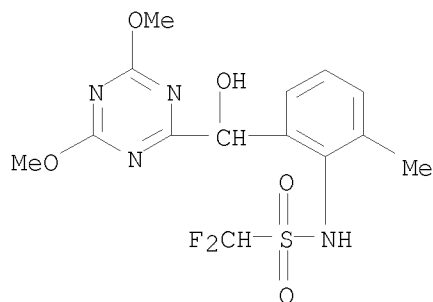
RN 874196-23-3 CAPLUS

CN Methanesulfonamide, N-[6-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-3-fluoro-2-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 874196-24-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 49 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1196560 CAPLUS

DOCUMENT NUMBER: 143:434133

TITLE: (Haloalkyl)sulfonanilides, herbicides containing them, and their intermediate benzylamines

INVENTOR(S): Hino, Tomokazu; Ihara, Tomomi; Shimaoka, Takashi; Mamezuka, Hirotake; Kiyokawa, Takahiro; Murata, Shinji

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 71 pp.

CODEN: JKXXAF

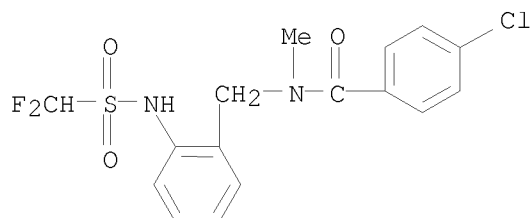
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

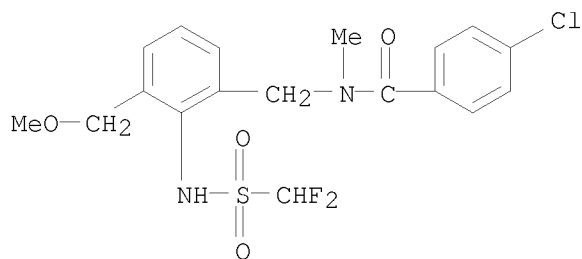
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005314407	A	20051110	JP 2005-102950	20050331
PRIORITY APPLN. INFO.:			JP 2004-105532	A 20040331
OTHER SOURCE(S): MARPAT 143:434133				
IT 868779-85-5P 868781-96-8P				
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
(preparation of (haloalkyl)sulfonanilides as herbicides for paddy fields)				
RN 868779-85-5 CAPLUS				
CN Benzamide, 4-chloro-N-[[2-[[[(difluoromethyl)sulfonyl]amino]phenyl]methyl]-N-methyl- (CA INDEX NAME)				



RN 868781-96-8 CAPLUS

CN Benzamide, 4-chloro-N-[[2-[[[(difluoromethyl)sulfonyl]amino]-3-(methoxymethyl)phenyl]methyl]-N-methyl- (CA INDEX NAME)





L17 ANSWER 50 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1173613 CAPLUS

DOCUMENT NUMBER: 143:401148

TITLE: Synergistic herbicide compositions and their application to rice paddy

INVENTOR(S): Endo, Keiji; Ito, Seishi; Nakajima, Takehiko

PATENT ASSIGNEE(S): Bayer Cropscience K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005306813	A	20051104	JP 2004-128639	20040423
PRIORITY APPLN. INFO.:			JP 2004-128639	20040423

IT 867351-15-3 867351-16-4 867351-18-6

867351-20-0 867359-70-4 867359-71-5

867359-72-6 867359-73-7

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic herbicide compns. containing sulfonylanilide derivative for rice paddy)

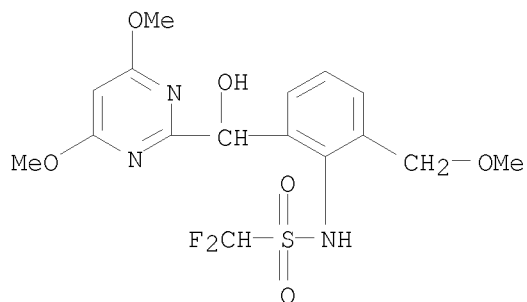
RN 867351-15-3 CAPLUS

CN 1H-Tetrazole-1-carboxamide, 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide and N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

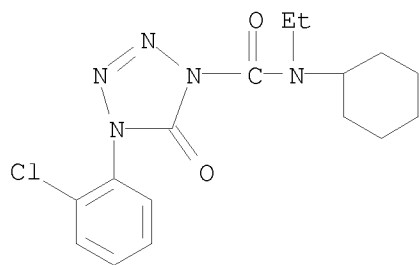
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 158237-07-1

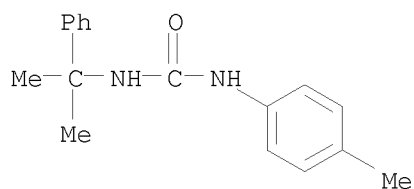
CMF C16 H20 Cl N5 O2



CM 3

CRN 42609-52-9

CMF C17 H20 N2 O



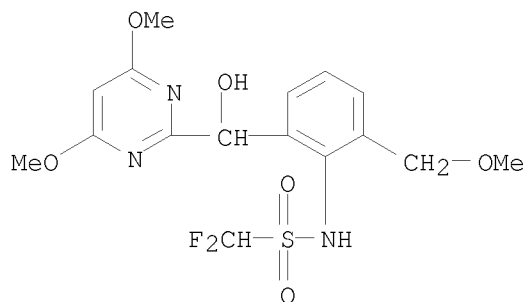
RN 867351-16-4 CAPLUS

CN Urea, N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)-, mixt. with  
3-[1-(3,5-dichlorophenyl)-1-methylethyl]-2,3-dihydro-6-methyl-5-phenyl-4H-  
1,3-oxazin-4-one and N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
NAME)

CM 1

CRN 221205-90-9

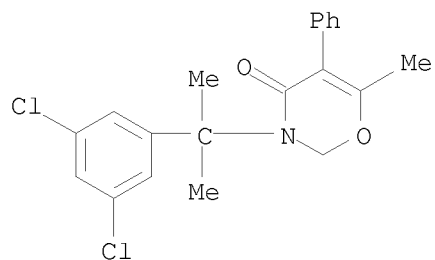
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 153197-14-9

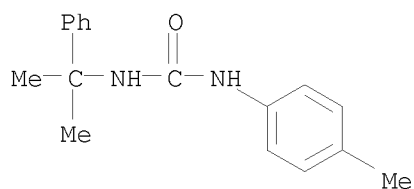
CMF C20 H19 Cl2 N O2



CM 3

CRN 42609-52-9

CMF C17 H20 N2 O



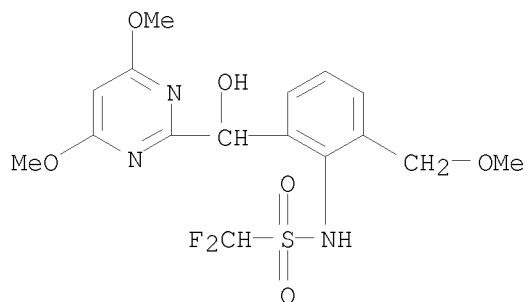
RN 867351-18-6 CAPLUS

CN Acetamide, 2-(2-benzothiazolyloxy)-N-methyl-N-phenyl-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide and  
N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

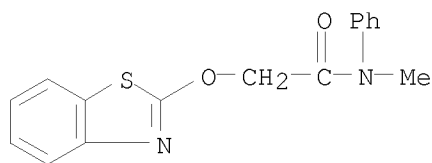
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 73250-68-7

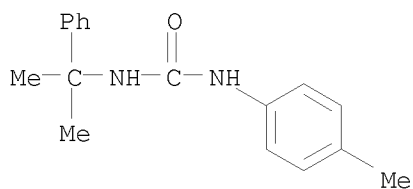
CMF C16 H14 N2 O2 S



CM 3

CRN 42609-52-9

CMF C17 H20 N2 O



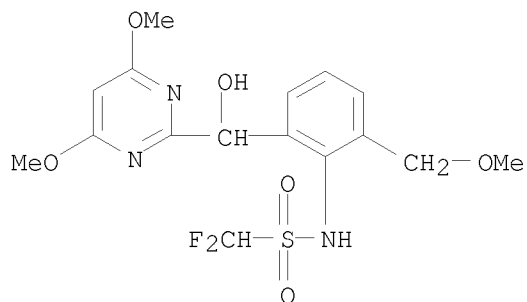
RN 867351-20-0 CAPLUS

CN Urea, N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)-, mixt. with 3-[2,4-dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one and N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

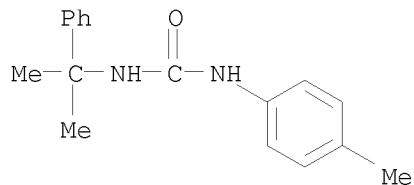
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CM 2

CRN 42609-52-9

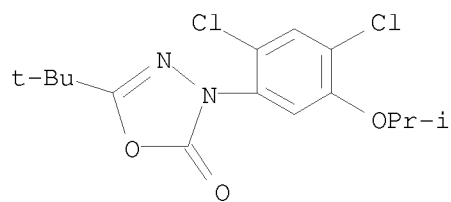
CMF C17 H20 N2 O



CM 3

CRN 19666-30-9

CMF C15 H18 Cl2 N2 O3



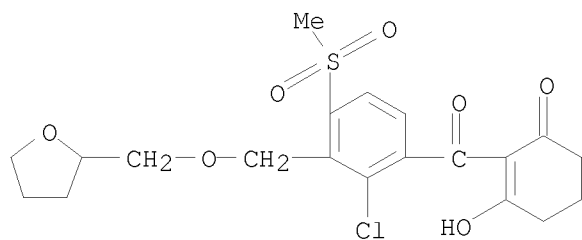
RN 867359-70-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[2-chloro-4-(methylsulfonyl)-3-[[tetrahydro-2-furanyl)methoxy]methyl]benzoyl]-3-hydroxy-2-cyclohexen-1-one and 3-[1-(3,5-dichlorophenyl)-1-methylethyl]-2,3-dihydro-6-methyl-5-phenyl-4H-1,3-oxazin-4-one (9CI) (CA INDEX NAME)

CM 1

CRN 473545-76-5

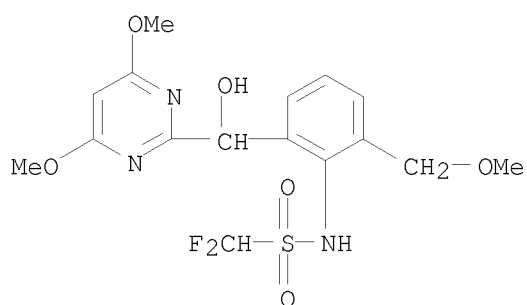
CMF C20 H23 Cl O7 S



CM 2

CRN 221205-90-9

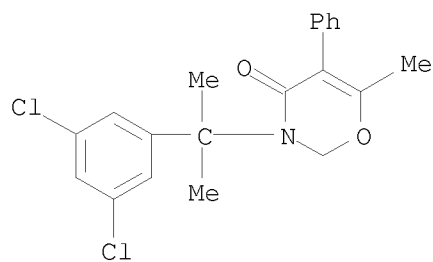
CMF C16 H19 F2 N3 O6 S



CM 3

CRN 153197-14-9

CMF C20 H19 Cl2 N O2



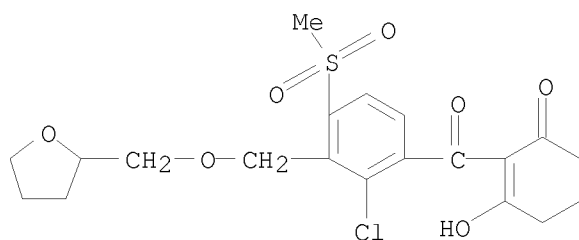
RN 867359-71-5 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[2-chloro-4-(methylsulfonyl)-3-[[tetrahydro-2-furanyl)methoxy]methyl]benzoyl]-3-hydroxy-2-cyclohexen-1-one and N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (9CI) (CA INDEX NAME)

CM 1

CRN 473545-76-5

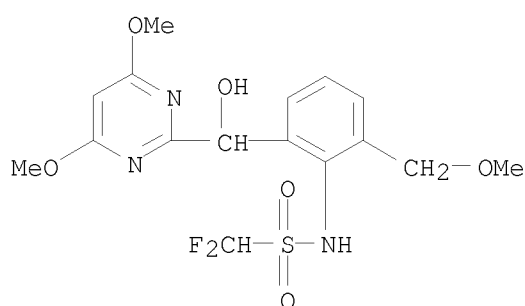
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CM 2

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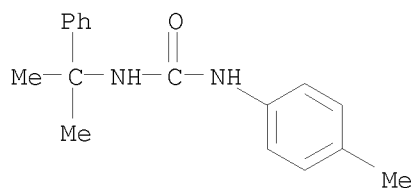
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CM 3

CRN 42609-52-9

CMF C17 H20 N2 O



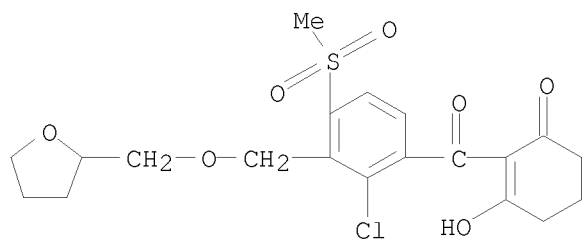
RN 867359-72-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[2-chloro-4-(methylsulfonyl)-3-[[tetrahydro-2-furanyl)methoxy]methyl]benzoyl]-3-hydroxy-2-cyclohexen-1-one, 3-[1-(3,5-dichlorophenyl)-1-methylethyl]-2,3-dihydro-6-methyl-5-phenyl-4H-1,3-oxazin-4-one and N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (9CI) (CA INDEX NAME)

CM 1

CRN 473545-76-5

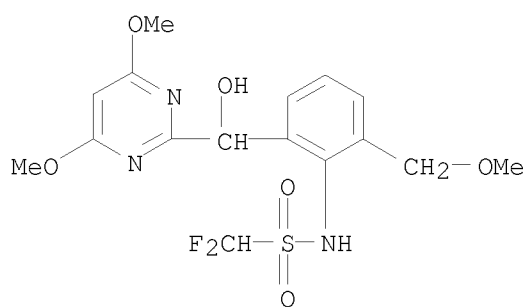
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CM 2

CRN 221205-90-9

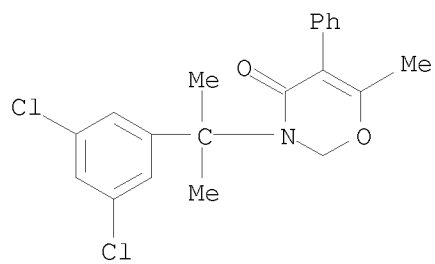
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CM 3

CRN 153197-14-9

CMF C20 H19 Cl2 N O2

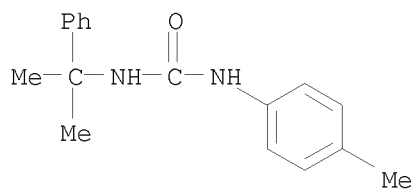


CM 4

CRN 42609-52-9

CMF C17 H20 N2 O





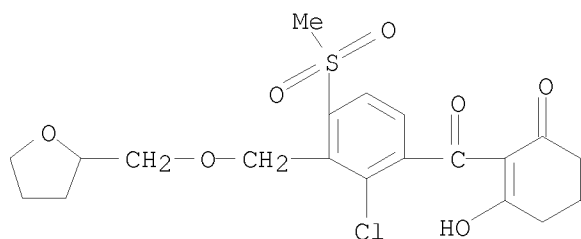
RN 867359-73-7 CAPLUS

CN Acetamide, 2-(2-benzothiazolyloxy)-N-methyl-N-phenyl-, mixt. with  
 2-[2-chloro-4-(methylsulfonyl)-3-[[ (tetrahydro-2-furanyl)methoxy]methyl]benzoyl]-3-hydroxy-2-cyclohexen-1-one,  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
 1,1-difluoromethanesulfonamide and  
 N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (9CI) (CA INDEX NAME)

CM 1

CRN 473545-76-5

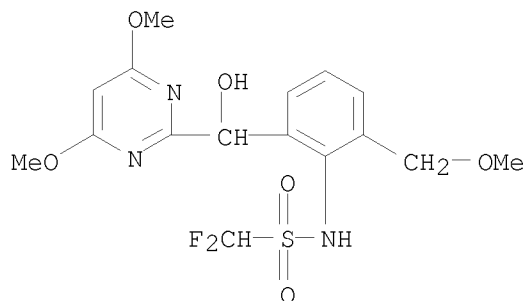
CMF C20 H23 Cl O7 S



CM 2

CRN 221205-90-9

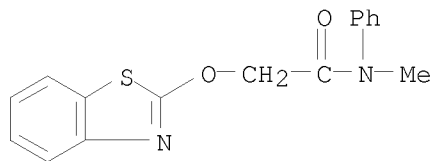
CMF C16 H19 F2 N3 O6 S



CM 3

CRN 73250-68-7

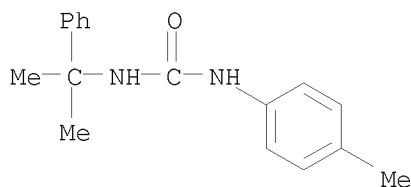
CMF C16 H14 N2 O2 S



CM 4

CRN 42609-52-9

CMF C17 H20 N2 O



L17 ANSWER 51 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1123713 CAPLUS

DOCUMENT NUMBER: 143:361654

TITLE: Preparation of difluoromethanesulfonylanilide derivatives as herbicides

INVENTOR(S): Araki, Koichi; Kudo, Sachio; Sato, Yoshitaka; Endo, Keiji; Shirakura, Shinichi; Nakamura, Shin

PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005096818	A1	20051020	WO 2005-EP2952	20050319
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2006056870	A	20060302	JP 2004-355616	20041208
AU 2005230239	A1	20051020	AU 2005-230239	20050319
EP 1750510	A1	20070214	EP 2005-716235	20050319
EP 1750510	B1	20070822		
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 1937919	A	20070328	CN 2005-80009955	20050319

BR 2005009403	A	20070828	BR 2005-9403	20050319
AT 370655	T	20070915	AT 2005-716235	20050319
JP 2007530613	T	20071101	JP 2007-505434	20050319
ES 2288740	T3	20080116	ES 2005-716235	20050319
US 20070197390	A1	20070823	US 2006-594570	20060927
IN 2006CN03636	A	20070615	IN 2006-CN3636	20060928

PRIORITY APPLN. INFO.:

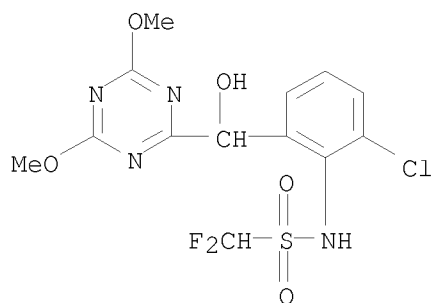
JP 2004-109197	A	20040401
JP 2004-214777	A	20040722
JP 2004-355616	A	20041208
WO 2005-EP2952	W	20050319

OTHER SOURCE(S): MARPAT 143:361654

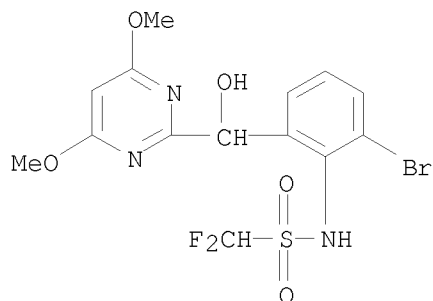
IT 1043564-72-2 1043564-73-3 1043564-74-4  
 1043564-77-7 1043564-78-8 1043564-79-9  
 1043564-80-2 1043564-81-3 1043564-82-4  
 1043564-83-5 1043564-84-6 1043564-85-7  
 1043564-86-8

RL: PRPH (Prophetic)  
 (Preparation of difluoromethanesulfonylanilide derivatives as  
 herbicides)

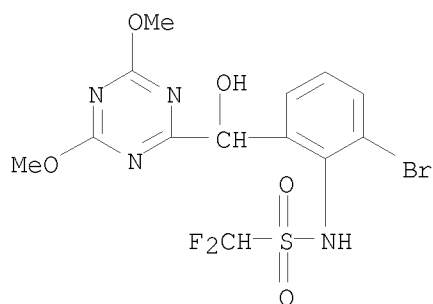
RN 1043564-72-2 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



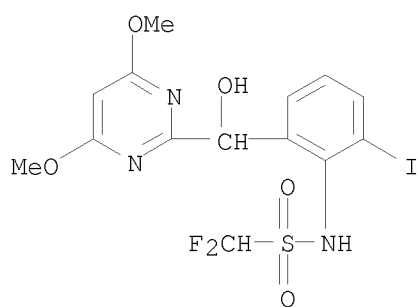
RN 1043564-73-3 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



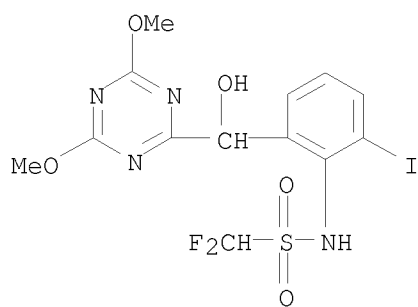
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 CN INDEX NAME NOT YET ASSIGNED



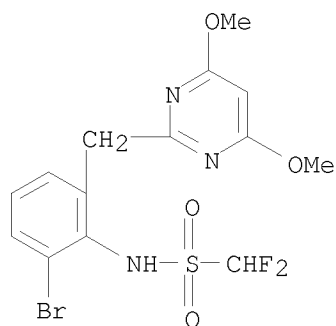
RN 1043564-77-7 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



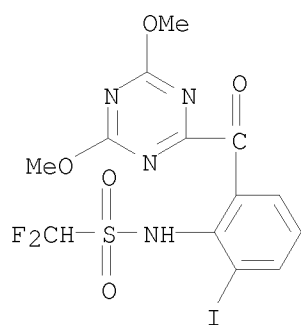
RN 1043564-78-8 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



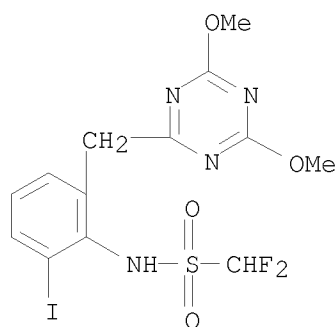
RN 1043564-79-9 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



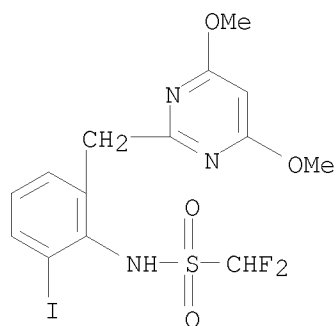
RN 1043564-80-2 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



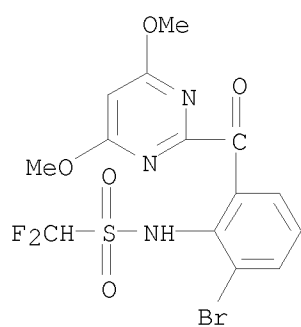
RN 1043564-81-3 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



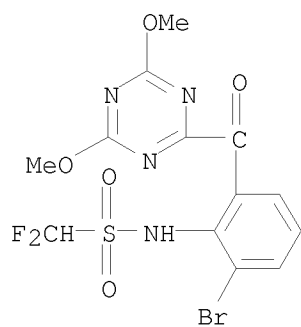
RN 1043564-82-4 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



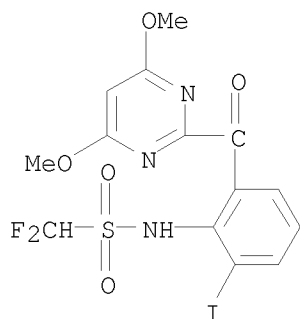
RN 1043564-83-5 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



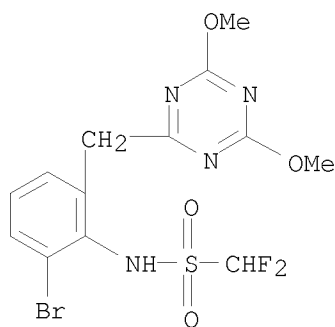
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 CN INDEX NAME NOT YET ASSIGNED



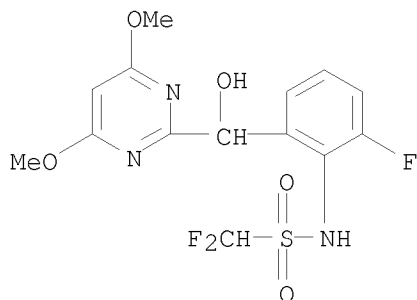
RN 1043564-85-7 CAPLUS  
 CN INDEX NAME NOT YET ASSIGNED



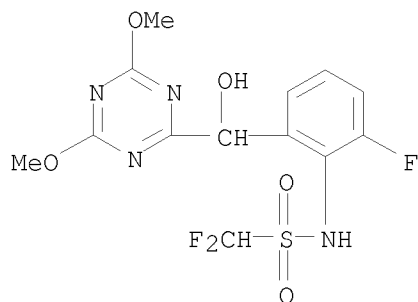
RN 1043564-86-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



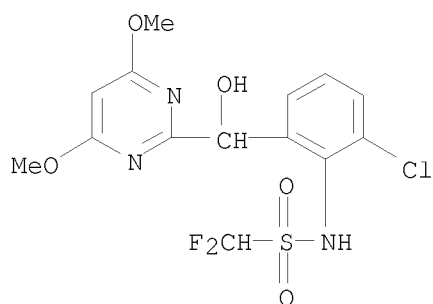
IT 866128-66-7P 866128-67-8P 866128-68-9P  
866128-69-0P 866128-70-3P 866128-71-4P  
866128-72-5P 866128-73-6P 866128-74-7P  
866128-75-8P  
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation as herbicide)  
RN 866128-66-7 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



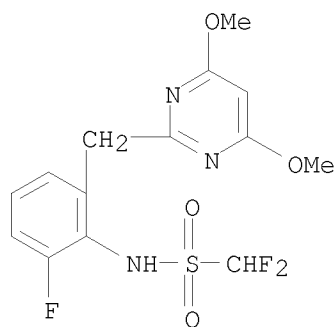
RN 866128-67-8 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)hydroxymethyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 866128-68-9 CAPLUS  
 CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)

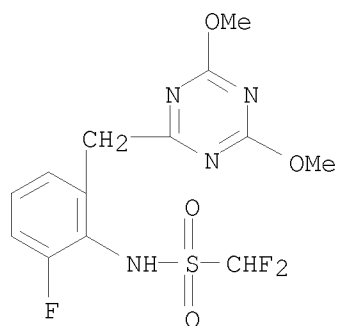


RN 866128-69-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

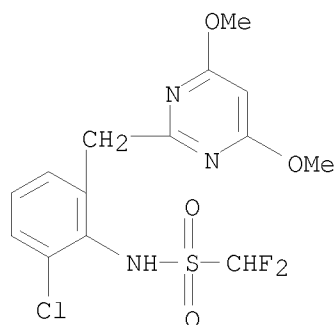


RN 866128-70-3 CAPLUS  
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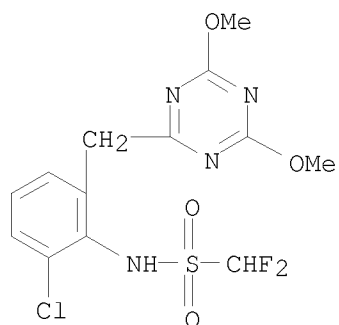




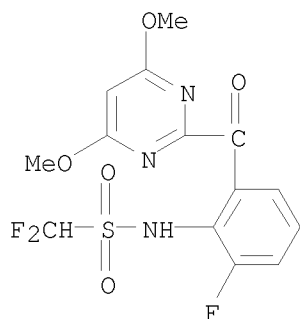
RN 866128-71-4 CAPLUS  
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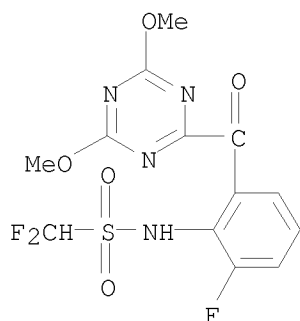
RN 866128-72-5 CAPLUS  
 CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-1,3,5-triazin-2-yl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



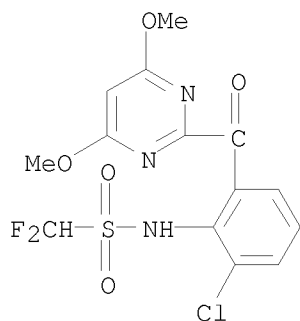
RN 866128-73-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 866128-74-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 866128-75-8 CAPLUS  
 CN Methanesulfonamide, N-[2-chloro-6-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 52 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1075572 CAPLUS

DOCUMENT NUMBER: 143:320597

TITLE: Synergistic herbicidal compositions comprising thiocarbamate derivatives and acetolactate synthase inhibitors

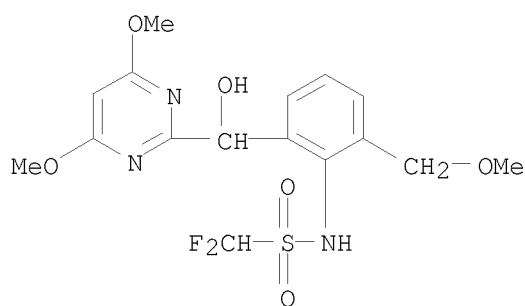
INVENTOR(S): Kotzian, Georg Ruediger

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005092101	A2	20051006	WO 2005-EP3178	20050324
WO 2005092101	A3	20060126		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005226886	A1	20051006	AU 2005-226886	20050324
EP 1732390	A2	20061220	EP 2005-716373	20050324
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1937922	A	20070328	CN 2005-80009836	20050324
BR 2005009262	A	20070904	BR 2005-9262	20050324
JP 2007530494	T	20071101	JP 2007-504368	20050324
IN 2006CN03514	A	20070615	IN 2006-CN3514	20060925
PRIORITY APPLN. INFO.:				
			EP 2004-7301	A 20040326
			WO 2005-EP3178	W 20050324
IT 221205-90-9D, KUH 021, mixts. with thiocarbamate derivs.				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic herbicidal compns.)				
RN 221205-90-9 CAPLUS				
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)				



L17 ANSWER 53 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:1015694 CAPLUS  
 DOCUMENT NUMBER: 143:367076  
 TITLE: Preparation of chiral amino alcohol ligands and application in the Cu- or Zn-catalyzed asymmetric nucleophilic addition of trifluoromethyl aryl ketones with terminal alkynes for the synthesis of propynols  
 INVENTOR(S): Jiao, Biao; Si, Yugui  
 PATENT ASSIGNEE(S): Shanghai Institute of Organic Chemistry, Chinese

Academy of Sciences, Peop. Rep. China  
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 14 pp.  
 CODEN: CNXXEV  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Chinese  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1449865	A	20031022	CN 2003-117026	20030516
CN 1331601	C	20070815		
WO 2004087628	A1	20041014	WO 2003-CN462	20030616
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003248217	A1	20041025	AU 2003-248217	20030616
EP 1614672	A1	20060111	EP 2003-816495	20030616
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20060217552	A1	20060928	US 2005-551770	20051003
US 7439400	B2	20081021		
IN 2005MN01060	A	20060512	IN 2005-MN1060	20051021
PRIORITY APPLN. INFO.:			CN 2003-116192	A 20030404
			CN 2003-117026	A 20030516
			WO 2003-CN462	W 20030616

OTHER SOURCE(S): CASREACT 143:367076; MARPAT 143:367076

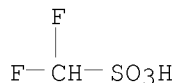
IT 473928-09-5

RL: CAT (Catalyst use); USES (Uses)

(preparation of chiral amino alc. ligands and application in the Cu- or Zn-catalyzed asym. nucleophilic addition of trifluoromethyl aryl ketones with terminal alkynes for the synthesis of propynols)

RN 473928-09-5 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-, zinc salt (2:1) (CA INDEX NAME)



● 1/2 Zn

L17 ANSWER 54 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:821322 CAPLUS

DOCUMENT NUMBER: 143:193716

TITLE: Preparation of chiral amino alcohol ligands and their application in the asymmetric addition of imines with terminal alkynes

INVENTOR(S): Jiang, Biao; Si, Yugui

PATENT ASSIGNEE(S): Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 15 pp.  
 CODEN: CNXXEV  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Chinese  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1442403	A	20030917	CN 2003-116192	20030404
CN 1216036	C	20050824		
WO 2004087628	A1	20041014	WO 2003-CN462	20030616
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003248217	A1	20041025	AU 2003-248217	20030616
EP 1614672	A1	20060111	EP 2003-816495	20030616
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20060217552	A1	20060928	US 2005-551770	20051003
US 7439400	B2	20081021		
IN 2005MN01060	A	20060512	IN 2005-MN1060	20051021
PRIORITY APPLN. INFO.:			CN 2003-116192	A 20030404
			CN 2003-117026	A 20030516
			WO 2003-CN462	W 20030616

OTHER SOURCE(S): CASREACT 143:193716; MARPAT 143:193716

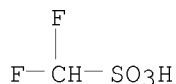
IT 473928-09-5

RL: CAT (Catalyst use); USES (Uses)

(preparation of chiral amino alc. ligands and their application in the asym. nucleophilic addition of quinazolinone with cyclopropylacetylene catalyzed by Cu or Zn salts for the synthesis of DPC 961)

RN 473928-09-5 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-, zinc salt (2:1) (CA INDEX NAME)



● 1/2 Zn

L17 ANSWER 55 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:698612 CAPLUS

DOCUMENT NUMBER: 143:335021

TITLE: Understanding electron-molecular vibrational coupling in organic molecular solids: Experimental evidence for strong coupling of the 890-cm-1 mode in ET-based materials

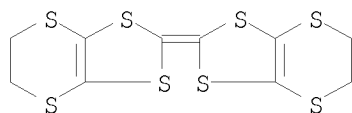
AUTHOR(S): Musfeldt, J. L.; Swietlik, R.; Olejniczak, I.; Eldridge, J. E.; Geiser, U.

CORPORATE SOURCE: Department of Chemistry, University of Tennessee,

SOURCE: Knoxville, TN, 37996, USA  
 Physical Review B: Condensed Matter and Materials  
 Physics (2005), 72(1), 014516/1-014516/7  
 CODEN: PRBMDO; ISSN: 1098-0121  
 PUBLISHER: American Physical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 236111-22-1  
 RL: PRP (Properties)  
 (vibrational mode strong coupling in)  
 RN 236111-22-1 CAPLUS  
 CN Sulfate(1-), pentafluoro(1,1,2-trifluoro-2-sulfonatoethyl)-, (OC-6-21)-,  
 salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-  
 dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3  
 CMF C10 H8 S8

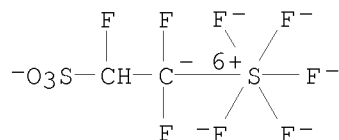


CM 2

CRN 236111-21-0  
 CMF C10 H8 S8 . C2 H F8 O3 S2

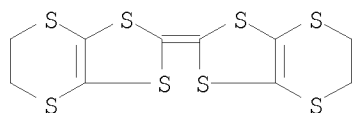
CM 3

CRN 236111-20-9  
 CMF C2 H F8 O3 S2  
 CCI CCS



CM 4

CRN 82428-14-6  
 CMF C10 H8 S8  
 CCI RIS



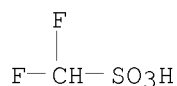
REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 56 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:673685 CAPLUS  
 DOCUMENT NUMBER: 143:172540  
 TITLE: Enantioselective preparation of propargyl alcohols  
 INVENTOR(S): Sorger, Klas; Stohrer, Juergen  
 PATENT ASSIGNEE(S): Consortium fuer Elektrochemische Industrie GmbH,  
 Germany  
 SOURCE: Ger. Offen., 19 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10359702	A1	20050728	DE 2003-10359702	20031218
DE 10359702	B4	20070222		

PRIORITY APPLN. INFO.: DE 2003-10359702 20031218  
 OTHER SOURCE(S): CASREACT 143:172540; MARPAT 143:172540  
 IT 473928-09-5  
 RL: CAT (Catalyst use); USES (Uses)  
 (enantioselective preparation of propargyl alcs.)  
 RN 473928-09-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, zinc salt (2:1) (CA INDEX NAME)



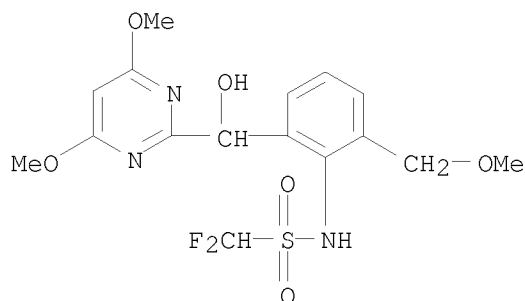
● 1/2 Zn

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 57 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:492462 CAPLUS  
 DOCUMENT NUMBER: 143:2633  
 TITLE: Synergistic herbicide compositions containing  
 isoxazolines  
 INVENTOR(S): Fujinami, Makoto; Ueno, Ryohei; Yamaji, Michihiro;  
 Asakura, Sohei; Ono, Shuji; Takahashi, Satoru; Nakaya,  
 Masahisa; Ito, Minoru  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan; Ihara  
 Chemical Industry Co., Ltd.  
 SOURCE: Jpn. Kokai Tokkyo Koho, 32 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005145958	A	20050609	JP 2004-304568	20041019
PRIORITY APPLN. INFO.:			JP 2003-358710	A 20031020

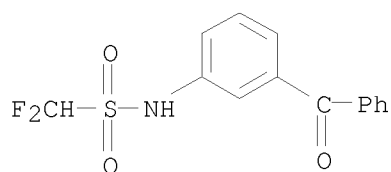
OTHER SOURCE(S): MARPAT 143:2633  
 IT 221205-90-9D, mixts. with isoxazolines  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (selective, synergistic herbicides)  
 RN 221205-90-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
 (methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 58 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:490281 CAPLUS  
 DOCUMENT NUMBER: 143:48056  
 TITLE: Novel nanoparticulate nimesulide compositions  
 INVENTOR(S): Bosch, H. William; Wertz, Christian F.  
 PATENT ASSIGNEE(S): Elan Pharma International Ltd., Ire.  
 SOURCE: PCT Int. Appl., 87 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005051356	A1	20050609	WO 2003-US32731	20031031
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2544404	A1	20050609	CA 2003-2544404	20031031
AU 2003303744	A1	20050617	AU 2003-303744	20031031
EP 1684725	A1	20060802	EP 2003-815810	20031031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
JP 2007522079	T	20070809	JP 2005-510942	20031031
PRIORITY APPLN. INFO.:			WO 2003-US32731	W 20031031
IT 22736-85-2, R807				
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (novel nanoparticulate nimesulide compns.)				
RN 22736-85-2 CAPLUS				
CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-	(CA INDEX NAME)			

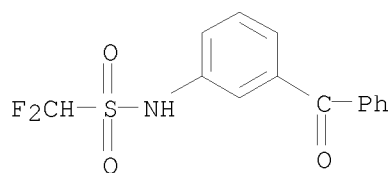




REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 59 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:472002 CAPLUS  
 DOCUMENT NUMBER: 143:13359  
 TITLE: Nanoparticle compositions comprising antibodies for targeted delivery  
 INVENTOR(S): Liversidge, Elaine; Cunningham, James  
 PATENT ASSIGNEE(S): Elan Pharma International Ltd., Ire.  
 SOURCE: PCT Int. Appl., 95 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005049091	A2	20050602	WO 2004-US37246	20041109
WO 2005049091	A3	20061109		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 20050147664	A1	20050707	US 2004-979792	20041103
CA 2545856	A1	20050602	CA 2004-2545856	20041109
EP 1689442	A2	20060816	EP 2004-810555	20041109
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU			
JP 2007511513	T	20070510	JP 2006-539722	20041109
PRIORITY APPLN. INFO.:			US 2003-519251P	P 20031113
			WO 2004-US37246	W 20041109
IT 22736-85-2, R 807				
RL:	THU (Therapeutic use); BIOL (Biological study); USES (Uses)			
	(nanoparticle compns. comprising antibodies for targeted delivery)			
RN 22736-85-2 CAPLUS				
CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-				(CA INDEX NAME)

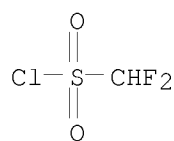


L17 ANSWER 60 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:365461 CAPLUS  
 DOCUMENT NUMBER: 142:411075  
 TITLE: Environmentally friendly preparation of benzyl difluoromethyl sulfides  
 INVENTOR(S): Fujimoto, Shuichi; Hamada, Yusuke  
 PATENT ASSIGNEE(S): Ihara Chemical Industry Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005112810	A	20050428	JP 2003-350882	20031009

PRIORITY APPLN. INFO.: JP 2003-350882 20031009  
 OTHER SOURCE(S): MARPAT 142:411075  
 IT 1512-30-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of benzyl difluoromethyl sulfides as intermediates for difluoromethylsulfonylanilide herbicides by sulfuration of halodifluoromethanes with benzylmercaptan metal salts in water-organic solvent two-phase systems)  
 RN 1512-30-7 CAPLUS  
 CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



L17 ANSWER 61 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:300165 CAPLUS  
 DOCUMENT NUMBER: 142:331256  
 TITLE: Granular pesticide preparation  
 INVENTOR(S): Yamashita, Hayase; Nishiyama, Kiyotoshi; Ohkawa, Tetsuo  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 33 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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OTHER SOURCE(S): CASREACT 142:318764  
 IT 64249-95-2  
 RL: RGT (Reagent); RACT (Reactant or reagent)  
 (process and catalysts for production of acetyl anhydrides and optionally  
 acetic acid from methane and carbon dioxide)  
 RN 64249-95-2 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro- (CA INDEX NAME)

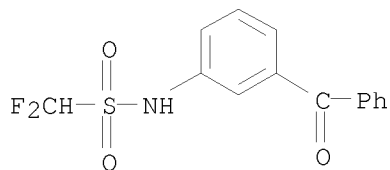
HO<sub>3</sub>S-CH<sub>2</sub>-F

REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 63 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:158522 CAPLUS  
 DOCUMENT NUMBER: 142:246155  
 TITLE: Novel nanoparticulate metaxalone compositions  
 comprising surface stabilizers and use for treating  
 musculoskeletal disorders  
 INVENTOR(S): Pruitt, John D.; Ryde, Tuula A.; Bosch, William H.  
 PATENT ASSIGNEE(S): Elan Pharma International, Ltd., Ire.  
 SOURCE: PCT Int. Appl., 70 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005016310	A1	20050224	WO 2004-US19108	20040726
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VZ, VC, VN, YU, ZA, ZM, ZW, RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2534924	A1	20050224	CA 2004-2534924	20040726
EP 1651189	A1	20060503	EP 2004-776615	20040726
EP 1651189	B1	20081203		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
JP 2007501839	T	20070201	JP 2006-523181	20040726
US 20050063913	A1	20050324	US 2004-912552	20040806
PRIORITY APPLN. INFO.:			US 2003-493446P	P 20030808
			WO 2004-US19108	W 20040726

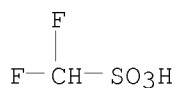
IT 22736-85-2, Diflumidone  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (novel nanoparticulate metaxalone compns. comprising surface  
 stabilizers and use for treating musculoskeletal disorders)  
 RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 64 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:138294 CAPLUS  
 DOCUMENT NUMBER: 142:221325  
 TITLE: Low-temperature-curable powder coating compositions  
 INVENTOR(S): Seike, Naoyuki; Yamaguchi, Koichi; Akawa, Tetsuro; Yamamura, Kazuo  
 PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

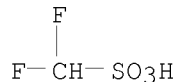
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005041900	A	20050217	JP 2003-199759	20030722
PRIORITY APPLN. INFO.:			JP 2003-199759	20030722
OTHER SOURCE(S): MARPAT 142:221325				
IT 40856-07-3, Difluoromethanesulfonica cid				
RL: RCT (Reactant); RACT (Reactant or reagent)				
(tetramethylpiperidine organic fluoro sulfonate-containing low-temperature-curable powdered coatings with acid, solvent, and flexural resistance)				
RN 40856-07-3 CAPLUS				
CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)				



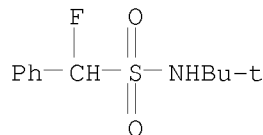
L17 ANSWER 65 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:135664 CAPLUS  
 DOCUMENT NUMBER: 142:221323  
 TITLE: Low-temperature-curable powder coating compositions  
 INVENTOR(S): Seike, Naoyuki; Yamaguchi, Koichi; Akawa, Tetsuro; Yamamura, Kazuo  
 PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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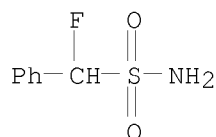
JP 2005041899 A 20050217 JP 2003-199758 20030722  
 PRIORITY APPLN. INFO.: JP 2003-199758 20030722  
 OTHER SOURCE(S): MARPAT 142:221323  
 IT 40856-07-3, Difluoromethanesulfonic acid  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (tetramethylpiperidine organic fluoro sulfonate-containing  
 low-temperature-curable  
 powdered coatings with acid, solvent, and flexural resistance)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 66 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:6140 CAPLUS  
 DOCUMENT NUMBER: 142:240132  
 TITLE: Synthesis of  $\alpha$ -fluoro- and  
 $\alpha,\alpha$ -difluorobenzenemethanesulfonamides:  
 new inhibitors of carbonic anhydrase  
 AUTHOR(S): Blackburn, G. Michael; Tuerkmen, Hasan  
 CORPORATE SOURCE: Department of Chemistry, University of Sheffield,  
 Sheffield, S3 7HF, UK  
 SOURCE: Organic & Biomolecular Chemistry (2005), 3(2), 225-226  
 CODEN: OBCRAK; ISSN: 1477-0520  
 PUBLISHER: Royal Society of Chemistry  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 142:240132  
 IT 844828-93-9P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (direct electrophilic fluorination of arenemethanesulfonamide anions by  
 N-fluorobisbenzenesulfonimide)  
 RN 844828-93-9 CAPLUS  
 CN Benzenemethanesulfonamide, N-(1,1-dimethylethyl)- $\alpha$ -fluoro- (CA  
 INDEX NAME)



IT 844828-96-2P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation)  
 (preparation of  $\alpha$ -fluoro- and  $\alpha,\alpha$ -  
 difluorobenzenemethanesulfonamides as carbonic anhydrase inhibitors)  
 RN 844828-96-2 CAPLUS  
 CN Benzenemethanesulfonamide,  $\alpha$ -fluoro- (CA INDEX NAME)



REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 67 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:871158 CAPLUS

DOCUMENT NUMBER: 141:327121

TITLE: Method for herbicide injury reduction and weeding in paddy fields with pyrimidines and urea herbicide

INVENTOR(S): Ikuta, Eiji; Sekino, Keisuke

PATENT ASSIGNEE(S): SDS Biotech Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004292417	A	20041021	JP 2003-124517	20030326
PRIORITY APPLN. INFO.:			JP 2003-124517	20030326

OTHER SOURCE(S): MARPAT 141:327121

IT 300666-74-4

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(herbicide injury reduction and weeding in paddy fields by concomitant application of pyrimidines and daimuron)

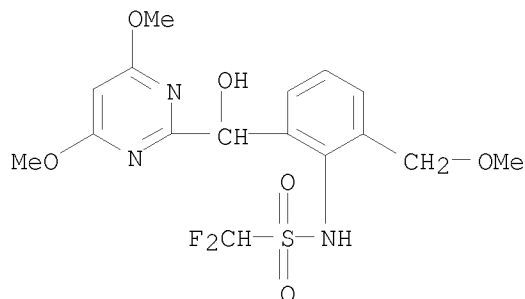
RN 300666-74-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (9CI) (CA INDEX NAME)

CM 1

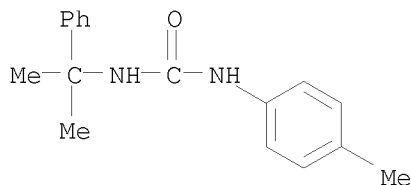
CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S



CM 2

CRN 42609-52-9  
CMF C17 H20 N2 O



L17 ANSWER 68 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:847536 CAPLUS

DOCUMENT NUMBER: 141:331802

TITLE: A method for preparing perfluoroalkanesulfonyl fluorides from perfluoroalkenes

INVENTOR(S): Barabanov, V. G.; Borutskaya, G. V.; Bispen, T. A.; Kaurova, G. I.; Il'in, N. A.; Denisenkov, V. F.; Moldavskii, D. D.; Nurgalieva, S. M.; Shkul'tetskaya, L. V.; Fedorova, T. E.; Furin, G. G.

PATENT ASSIGNEE(S): Federal'noe Gosudarstvennoe Unitarnoe Predpriyatie Rossiiskii Nauchnyi Tsentr "Prikladnaya Khimiya", Russia

SOURCE: Russ., No pp. given

CODEN: RUXXE7

DOCUMENT TYPE: Patent

LANGUAGE: Russian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RU 2237659	C1	20041010	RU 2003-112421	20030425
WO 2004096759	A1	20041111	WO 2004-JP5905	20040423
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

CN 1777579 A 20060524 CN 2004-80011052 20040423

PRIORITY APPLN. INFO.: RU 2003-112421 A 20030425

OTHER SOURCE(S): CASREACT 141:331802

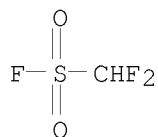
IT 1554-47-8P 2127-74-4P 108858-10-2P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(method for preparing perfluoroalkanesulfonyl fluorides from perfluoroalkenes)

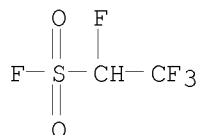
RN 1554-47-8 CAPLUS

CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)

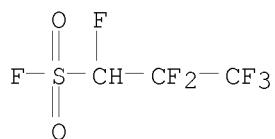




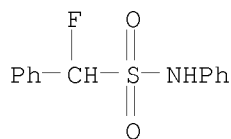
RN 2127-74-4 CAPLUS  
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



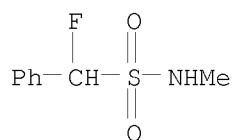
RN 108858-10-2 CAPLUS  
CN 1-Propanesulfonyl fluoride, 1,2,2,3,3,3-hexafluoro- (CA INDEX NAME)



L17 ANSWER 69 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2004:832643 CAPLUS  
DOCUMENT NUMBER: 142:37973  
TITLE: Synthesis of  $\alpha$ -Fluorosulfonamides by  
Electrophilic Fluorination  
AUTHOR(S): Hill, Bryan; Liu, Yong; Taylor, Scott D.  
CORPORATE SOURCE: Department of Chemistry, University of Waterloo,  
Waterloo, ON, N2L 3G1, Can.  
SOURCE: Organic Letters (2004), 6(23), 4285-4288  
CODEN: ORLEF7; ISSN: 1523-7060  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 142:37973  
IT 803728-15-6P 803728-16-7P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of  $\alpha$ -fluorosulfonamides by electrophilic fluorination of  
tertiary sulfonamides using N-fluorobenzenesulfonimide)  
RN 803728-15-6 CAPLUS  
CN Benzenemethanesulfonamide,  $\alpha$ -fluoro-N-phenyl- (CA INDEX NAME)



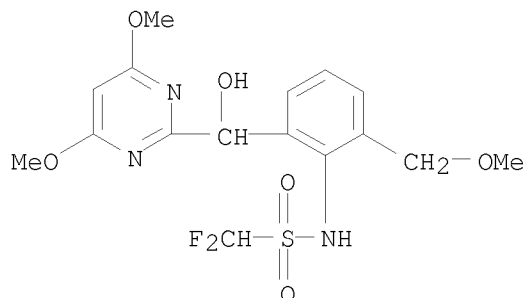
RN 803728-16-7 CAPLUS  
CN Benzenemethanesulfonamide,  $\alpha$ -fluoro-N-methyl- (CA INDEX NAME)



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 70 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:778936 CAPLUS  
 DOCUMENT NUMBER: 141:273012  
 TITLE: Synergistic herbicidal compositions containing 3-phenoxy-4-pyridazinol derivatives and other active components  
 INVENTOR(S): Kadotani, Junji; Isarai, Kiyoshi; Sakamoto, Takashi; Tamaru, Hiroshi; Ohara, Shigeru; Nakashima, Akiko; Tsukamoto, Yoshihisa  
 PATENT ASSIGNEE(S): Sankyo Agro Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 97 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

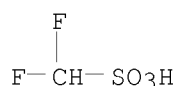
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004262935	A	20040924	JP 2004-35796	20040212
PRIORITY APPLN. INFO.:			JP 2003-35155	A 20030213
OTHER SOURCE(S):	MARPAT 141:273012			
IT 221205-90-9D,	mixts. with phenoxy-pyridazinol derivs.			
RL:	AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)			
	(broad-spectrum, synergistic herbicides for controlling weeds in rice)			
RN 221205-90-9	CAPLUS			
CN	Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)			



L17 ANSWER 71 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:588252 CAPLUS  
 DOCUMENT NUMBER: 141:123571  
 TITLE: Preparation of tetramethylpiperidine fluoroalkanesulfonate salts as esterification or

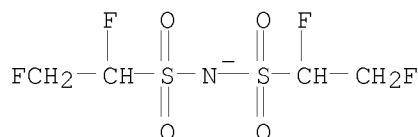
INVENTOR(S): curing catalysts  
 Yamamura, Kazuo; Ooka, Masataka  
 PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004203853	A	20040722	JP 2003-84883	20030326
PRIORITY APPLN. INFO.:			JP 2002-312526	A 20021028
OTHER SOURCE(S):	MARPAT 141:123571			
IT 40856-07-3,	Difluoromethanesulfonic acid			
RL: RCT (Reactant);	RACT (Reactant or reagent)			
(preparation of tetramethylpiperidine fluoroalkanesulfonate salts as esterification or curing catalysts)				
RN 40856-07-3	CAPLUS			
CN	Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)			



L17 ANSWER 72 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:219183 CAPLUS  
 DOCUMENT NUMBER: 140:261404  
 TITLE: Chemically amplified positive photoresist compositions with high sensitivity and resolution, and photolithography using them  
 INVENTOR(S): Ogushi, Masami; Tamura, Kazutaka  
 PATENT ASSIGNEE(S): Toray Industries, Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 24 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

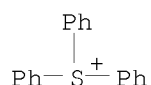
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004085657	A	20040318	JP 2002-243218	20020823
PRIORITY APPLN. INFO.:			JP 2002-243218	20020823
OTHER SOURCE(S):	MARPAT 140:261404			
IT 671779-79-6				
RL: CAT (Catalyst use);	USES (Uses)			
(photoacid generator; chemical amplified pos. photoresists with high sensitivity and resolution)				
RN 671779-79-6	CAPLUS			
CN	Sulfonium, triphenyl-, N-[(1,2-difluoroethyl)sulfonyl]-1,2-difluoroethanesulfonamide (1:1) (CA INDEX NAME)			
CM	1			
CRN	671779-78-5			
CMF	C4 H6 F4 N O4 S2			



CM 2

CRN 18393-55-0

CMF C18 H15 S



L17 ANSWER 73 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:141563 CAPLUS

DOCUMENT NUMBER: 140:195872

TITLE: Gel electrophoresis process using ionic liquids for solubilizing highly hydrophobic proteins

INVENTOR(S): Anderson, Norman G.; Braatz, James A.

PATENT ASSIGNEE(S): Large Scale Proteomics Corporation, USA

SOURCE: U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

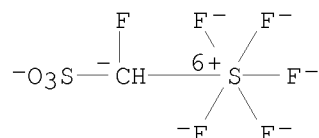
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040031685	A1	20040219	US 2002-218111	20020814
US 6939453	B2	20050906		
WO 2004024279	A2	20040325	WO 2003-US25618	20030814
WO 2004024279	A3	20040429		
WO 2004024279	A9	20040603		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003265449	A1	20040430	AU 2003-265449	20030814
EP 1536870	A2	20050608	EP 2003-795610	20030814
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20050279632	A1	20051222	US 2005-135840	20050523
PRIORITY APPLN. INFO.:			US 2002-218111	A 20020814
			WO 2003-US25618	W 20030814

IT 236111-23-2

RL: NUU (Other use, unclassified); USES (Uses)

(ionic liquid containing; gel electrophoresis process using ionic liqs. for

solubilizing highly hydrophobic proteins)  
 RN 236111-23-2 CAPLUS  
 CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, (OC-6-21)- (9CI) (CA INDEX NAME)

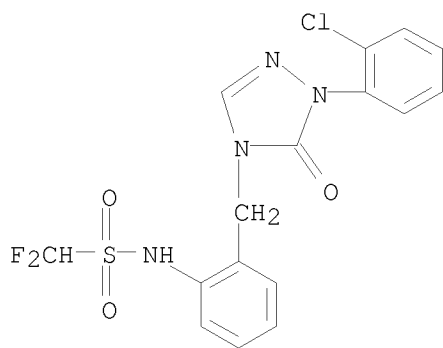


REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

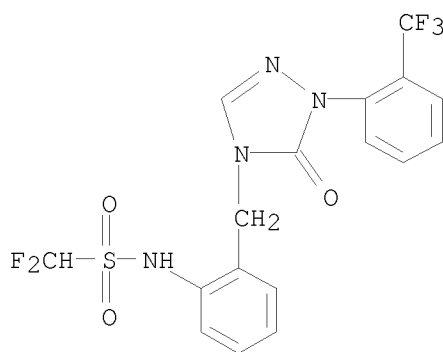
L17 ANSWER 74 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:101132 CAPLUS  
 DOCUMENT NUMBER: 140:163876  
 TITLE: Preparation of haloalkylsulfonanilide derivatives as herbicides  
 INVENTOR(S): Hino, Tomokazu; Shimaoka, Takashi; Miura, Yuzo; Mametsuka, Koki; Kiyokawa, Takahiro; Murata, Shinji  
 PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 144 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004011429	A1	20040205	WO 2003-JP9405	20030724
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG AU 2003252259 A1 20040216 AU 2003-252259 20030724 JP 2004107323 A 20040408 JP 2003-201906 20030725 PRIORITY APPLN. INFO.: JP 2002-218452 A 20020726 WO 2003-JP9405 W 20030724				

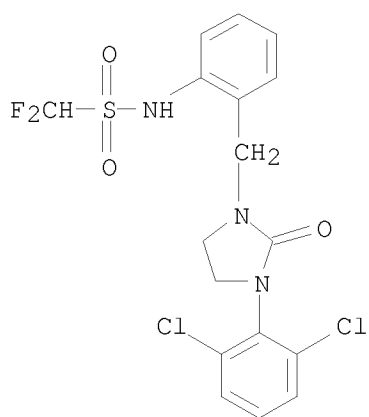
OTHER SOURCE(S): MARPAT 140:163876  
 IT 653595-03-0P 653595-04-1P 653596-60-2P  
 653596-64-6P 653596-96-4P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of haloalkylsulfonanilide derivs. as herbicides)  
 RN 653595-03-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[[1-(2-chlorophenyl)-1,5-dihydro-5-oxo-4H-1,2,4-triazol-4-yl]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



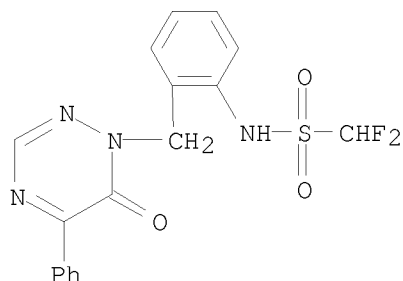
RN 653595-04-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[[1,5-dihydro-5-oxo-1-[2-(trifluoromethyl)phenyl]-4H-1,2,4-triazol-4-yl]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



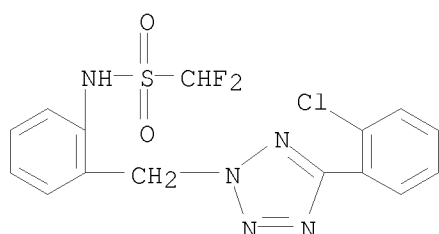
RN 653596-60-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[[3-(2,6-dichlorophenyl)-2-oxo-1-imidazolidinyl]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 653596-64-6 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[2-[(6-oxo-5-phenyl-1,2,4-triazin-1(6H)-yl)methyl]phenyl]- (CA INDEX NAME)



RN 653596-96-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[[5-(2-chlorophenyl)-2H-tetrazol-2-yl]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 129 THERE ARE 129 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L17 ANSWER 75 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:100910 CAPLUS  
 DOCUMENT NUMBER: 140:141097  
 TITLE: Synergistic herbicide compositions and weed-killing method using the same  
 INVENTOR(S): Kawasaki, Hiroshi; Miyazawa, Takeshige; Watanabe, Osamu  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 27 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004010784	A1	20040205	WO 2003-JP9334	20030723
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003252246	A1	20040216	AU 2003-252246	20030723
CN 1671289	A	20050921	CN 2003-817651	20030723

US 20050250646	A1	20051110	US 2004-518465	20041222
US 7144842	B2	20061205		
PRIORITY APPLN. INFO.:			JP 2002-215979	A 20020725
			WO 2003-JP9334	W 20030723

IT 652973-06-3 652973-07-4 652973-08-5  
 652973-09-6 652973-10-9 652973-14-3  
 652973-18-7 652973-22-3 652973-23-4  
 652973-24-5 652973-25-6 652973-26-7  
 652973-27-8 652973-28-9 652973-29-0  
 652973-30-3 652973-31-4 652973-32-5  
 652973-33-6 652973-34-7 652973-35-8  
 652973-36-9 652973-38-1 652973-39-2

RL: AGR (Agricultural use); BCP (Biochemical process); BIOL (Biological study); PROC (Process); USES (Uses)  
 (synergistic herbicide compns. containing)

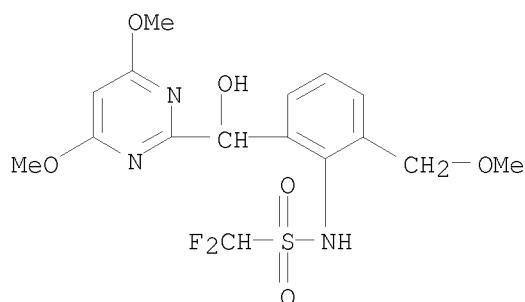
RN 652973-06-3 CAPLUS

CN Carbamothioic acid, diethyl-, S-[(2-chlorophenyl)methyl] ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

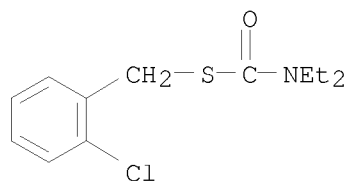
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 34622-58-7

CMF C12 H16 Cl N O S



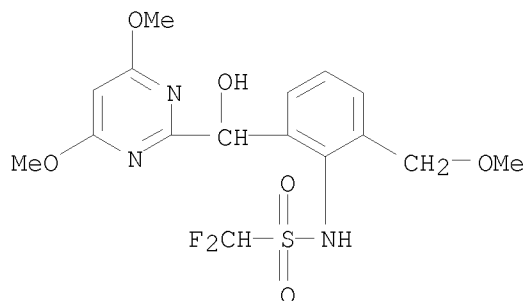
RN 652973-07-4 CAPLUS

CN Phosphorodithioic acid, O,O-bis(1-methylethyl) S-[2-[(phenylsulfonyl)amino]ethyl] ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

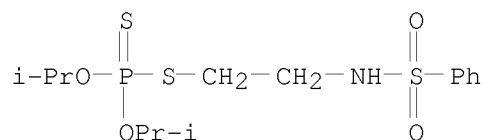


CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

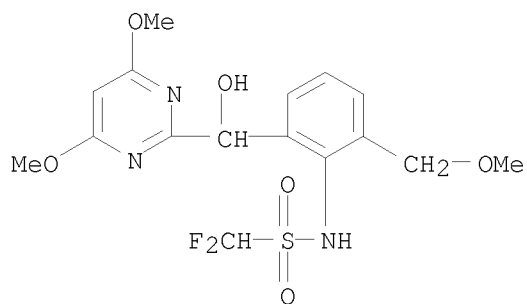
CRN 741-58-2  
 CMF C14 H24 N O4 P S3



RN 652973-08-5 CAPLUS  
 CN Carbamic acid, [(4-aminophenyl)sulfonyl]-, methyl ester, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
 1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

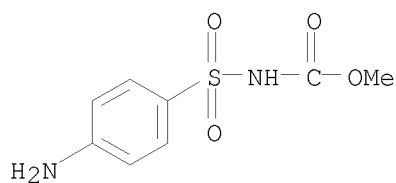
CM 1

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

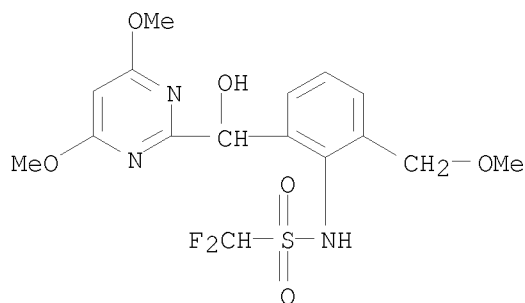
CRN 3337-71-1  
 CMF C8 H10 N2 O4 S



RN 652973-09-6 CAPLUS  
 CN Benzenepropanoic acid,  $\alpha$ ,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluoro-, ethyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

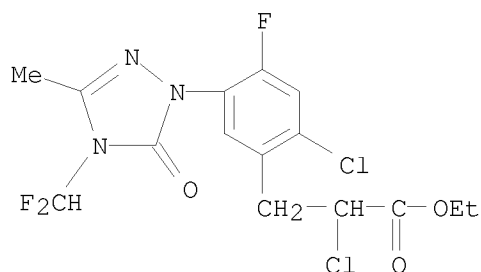
CM 1

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

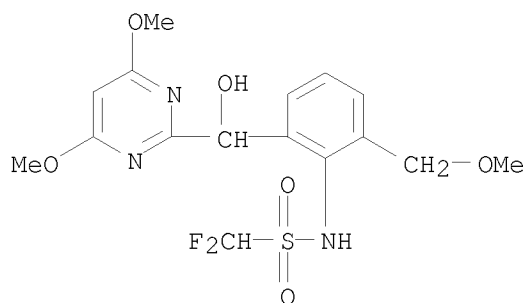
CRN 128639-02-1  
 CMF C15 H14 Cl2 F3 N3 O3



RN 652973-10-9 CAPLUS  
 CN Urea, N-(2-methylcyclohexyl)-N'-phenyl-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

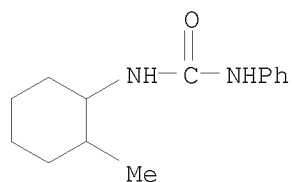
CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

CRN 1982-49-6

CMF C14 H20 N2 O



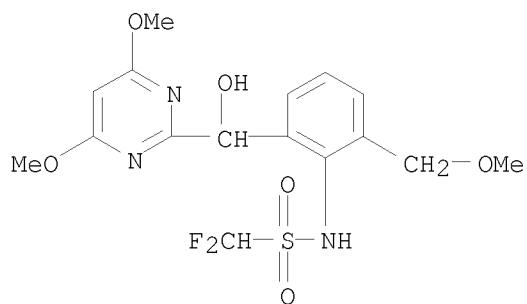
RN 652973-14-3 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2,6-dinitro-N1,N1-dipropyl-4-(trifluoromethyl)-1,3-benzenediamine (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

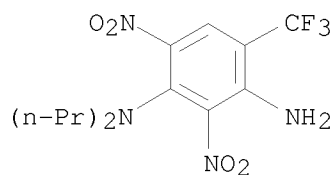
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 29091-21-2

CMF C13 H17 F3 N4 O4



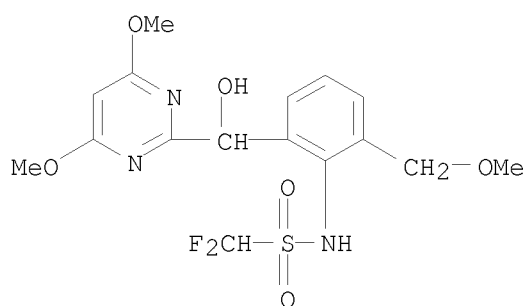
RN 652973-18-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

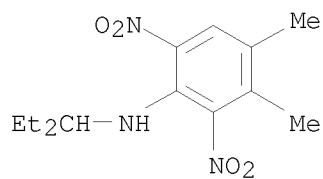
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 40487-42-1

CMF C13 H19 N3 O4



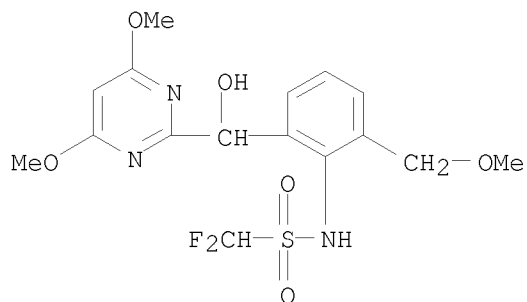
RN 652973-22-3 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with N-butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

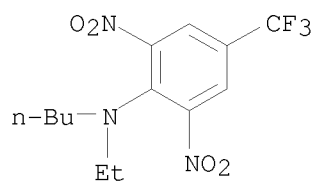
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 1861-40-1

CMF C13 H16 F3 N3 O4



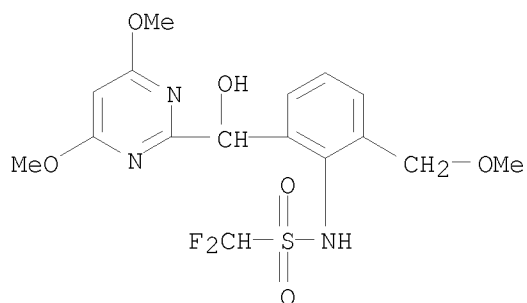
RN 652973-23-4 CAPLUS

CN Propanoic acid, 2-[4-(4-cyano-2-fluorophenoxy)phenoxy]-, butyl ester, (2R)-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

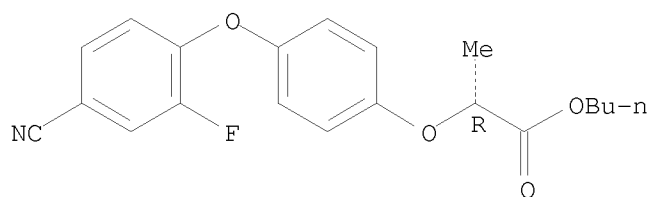


CM 2

CRN 122008-85-9

CMF C20 H20 F N O4

Absolute stereochemistry.

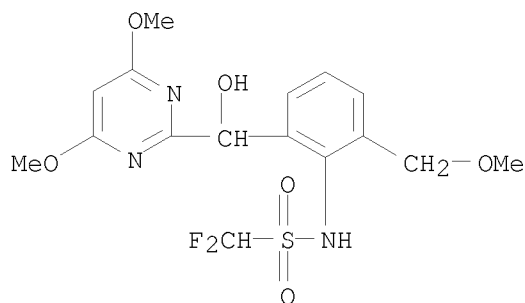


RN 652973-24-5 CAPLUS  
 CN Propanoic acid, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]-, ethyl ester, (2R)-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

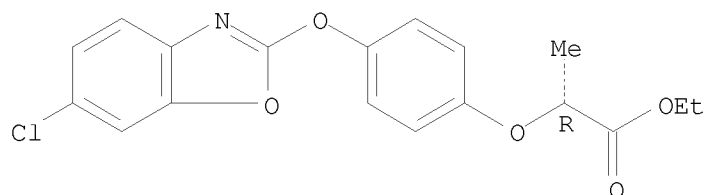


CM 2

CRN 71283-80-2

CMF C18 H16 Cl N O5

Absolute stereochemistry.

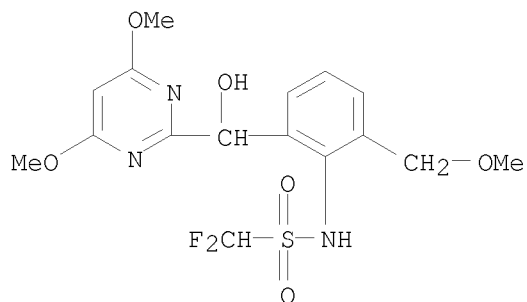


RN 652973-25-6 CAPLUS  
 CN Propanoic acid, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]-, ethyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

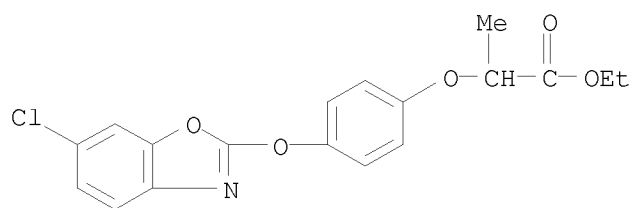
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 66441-23-4

CMF C18 H16 Cl N O5



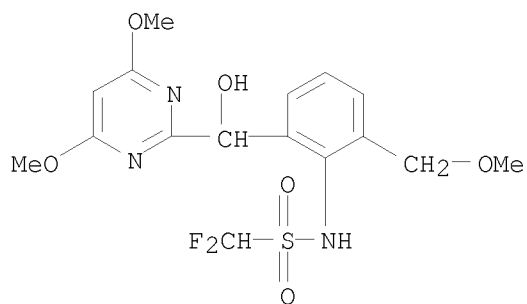
RN 652973-26-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[1-[[2-(4-chlorophenoxy)propoxy]imino]butyl]-3-hydroxy-5-(tetrahydro-2H-thiopyran-3-yl)-2-cyclohexen-1-one (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

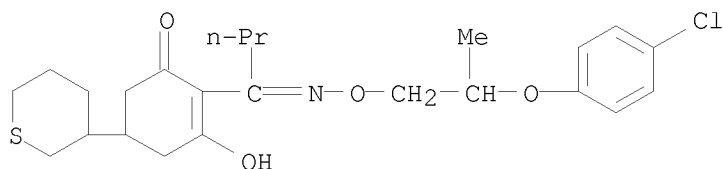
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 139001-49-3

CMF C24 H32 Cl N O4 S



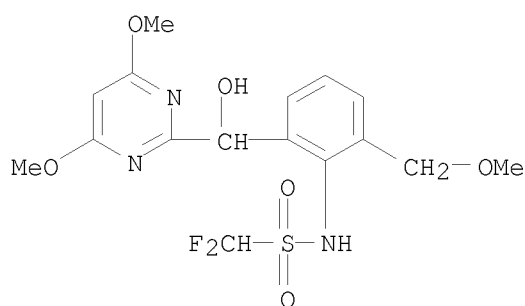
RN 652973-27-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

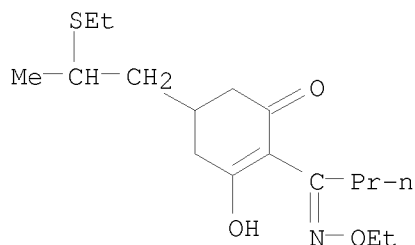
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 74051-80-2

CMF C17 H29 N O3 S



RN 652973-28-9 CAPLUS

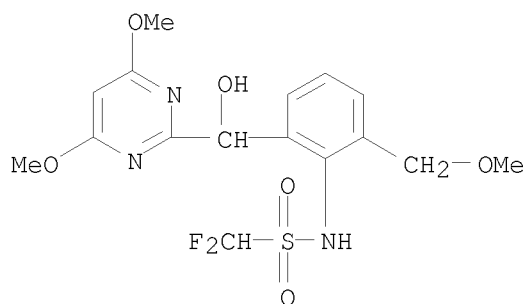
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with diphenylmethanone O-[2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]benzoyl]oxime (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

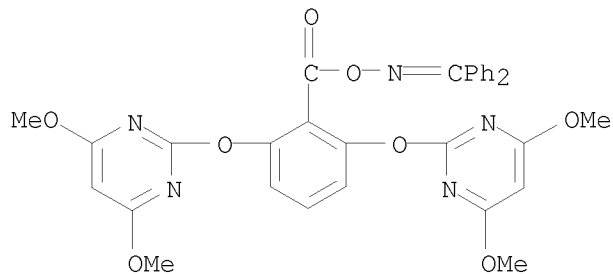




CM 2

CRN 168088-61-7

CMF C32 H27 N5 O8



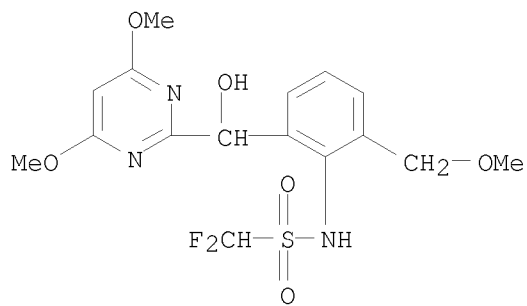
RN 652973-29-0 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with  
rel-(1R,2S,4S)-1-methyl-4-(1-methylethyl)-2-[(2-methylphenyl)methoxy]-7-oxabicyclo[2.2.1]heptane (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

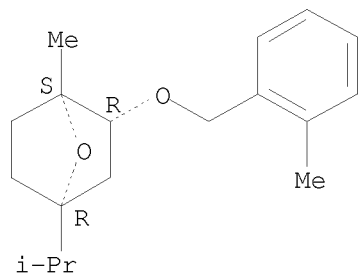


CM 2

CRN 87818-31-3

CMF C18 H26 O2

Relative stereochemistry.



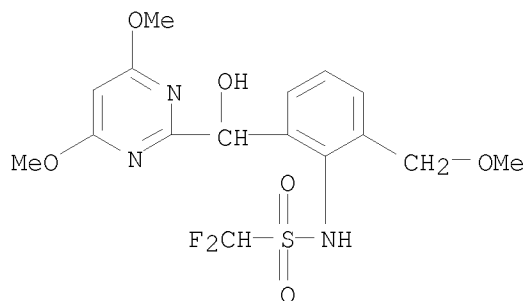
RN 652973-30-3 CAPLUS

CN 8-Quinolincarboxylic acid, 3,7-dichloro-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

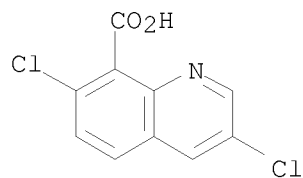
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 84087-01-4

CMF C10 H5 Cl2 N O2

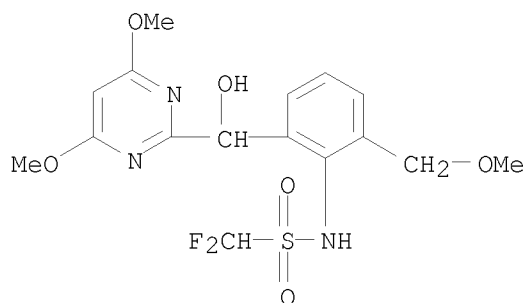


RN 652973-31-4 CAPLUS

CN Benzoic acid, 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-, methyl ester, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

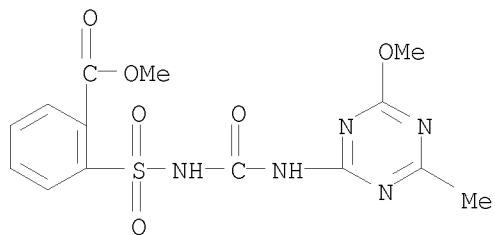
CM 1

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

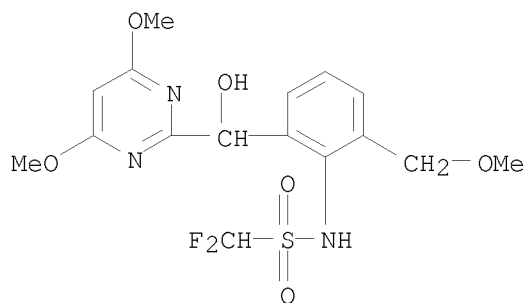
CRN 74223-64-6  
 CMF C14 H15 N5 O6 S



RN 652973-32-5 CAPLUS  
 CN 2,4-Dithia-3,5-diazahexan-6-amide,  
 N-(4,6-dimethoxy-2-pyrimidinyl)-3-methyl-, 2,2,4,4-tetraoxide, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
 1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

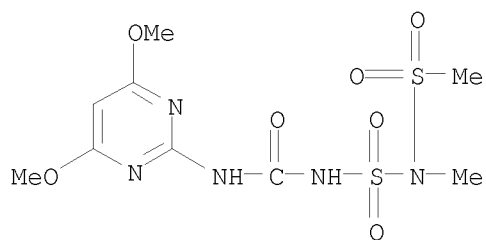
CM 1

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

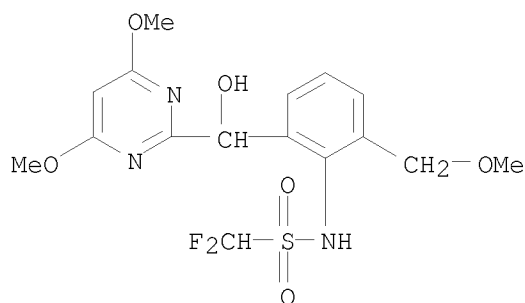
CRN 120923-37-7  
 CMF C9 H15 N5 O7 S2



RN 652973-33-6 CAPLUS  
 CN 3-Pyridinecarboxamide, N-(2,4-difluorophenyl)-2-[3-(trifluoromethyl)phenoxy]-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

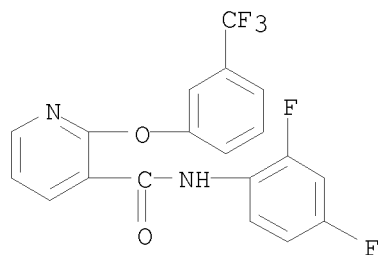
CM 1

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

CRN 83164-33-4  
 CMF C19 H11 F5 N2 O2

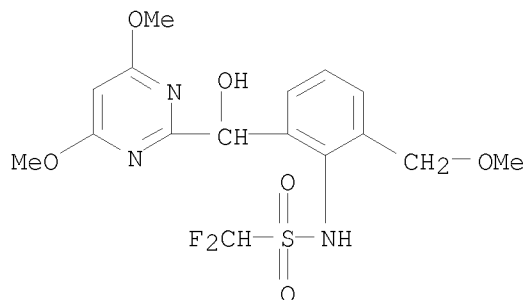


RN 652973-34-7 CAPLUS  
 CN Urea, N,N-dimethyl-N'-[4-(1-methylethyl)phenyl]-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

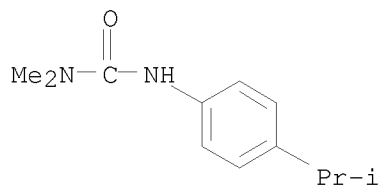
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 34123-59-6

CMF C12 H18 N2 O



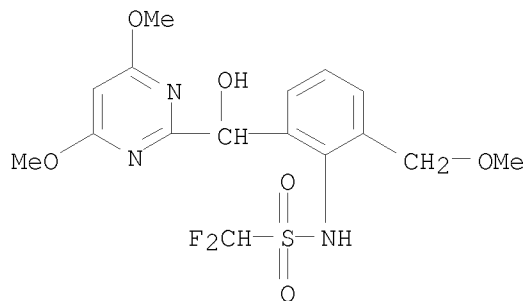
RN 652973-35-8 CAPLUS

CN Benzoic acid, 2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

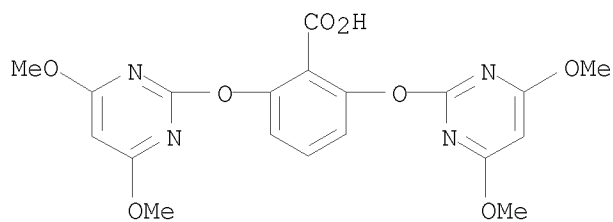
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CMF C16 H19 F2 N3 O6 S



CM 2

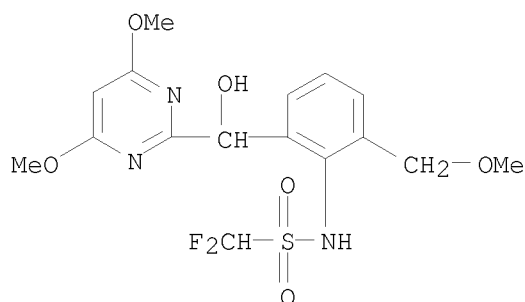
CRN 125401-75-4  
CMF C19 H18 N4 O8



RN 652973-36-9 CAPLUS  
CN Glycine, N-(phosphonomethyl)-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

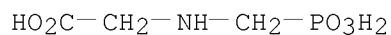
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CRN 221205-90-9  
CMF C16 H19 F2 N3 O6 S



CM 2

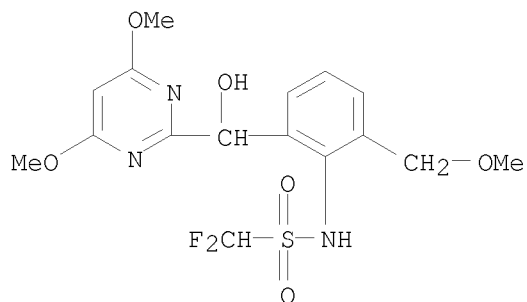
CRN 1071-83-6  
CMF C3 H8 N O5 P



RN 652973-38-1 CAPLUS  
CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

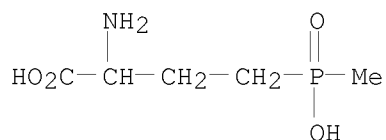
CRN 221205-90-9  
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 51276-47-2

CMF C5 H12 N O4 P



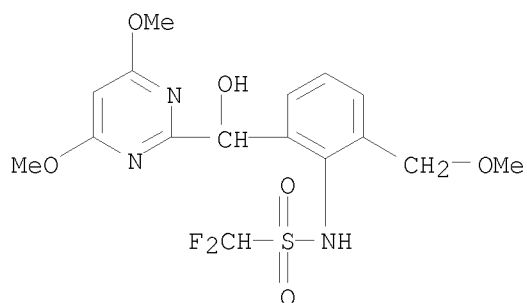
RN 652973-39-2 CAPLUS

CN L-Alanine, (2S)-2-amino-4-(hydroxymethylphosphinyl)butanoyl-L-alanyl-,  
mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

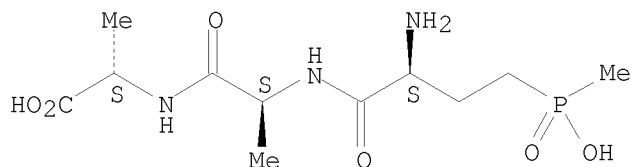


CM 2

CRN 35597-43-4

CMF C11 H22 N3 O6 P

Absolute stereochemistry.



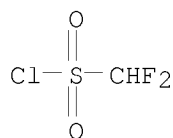
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 76 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:20652 CAPLUS  
 DOCUMENT NUMBER: 140:93680  
 TITLE: Method for synthesis of  
 hydrogenofluoromethylenesulfonyl radical derivatives  
 INVENTOR(S): Saint-Jalmes, Laurent  
 PATENT ASSIGNEE(S): Rhodia Chimie, Fr.  
 SOURCE: PCT Int. Appl., 15 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004002951	A2	20040108	WO 2003-FR1940	20030624
WO 2004002951	A3	20040415		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2841551	A1	20040102	FR 2002-8090	20020628
FR 2841551	B1	20060113		
CA 2491207	A1	20040108	CA 2003-2491207	20030624
AU 2003260623	A1	20040119	AU 2003-260623	20030624
EP 1517888	A2	20050330	EP 2003-761633	20030624
EP 1517888	B1	20080514		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1671657	A	20050921	CN 2003-817932	20030624
JP 2005531626	T	20051020	JP 2004-516858	20030624
AT 395331	T	20080515	AT 2003-761633	20030624
US 20060178536	A1	20060810	US 2005-519287	20051125
PRIORITY APPLN. INFO.:			FR 2002-8090	A 20020628
			WO 2003-FR1940	W 20030624

OTHER SOURCE(S): CASREACT 140:93680  
 IT 1512-30-7P, Difluoromethanesulfonyl chloride  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (method for synthesis of hydrogenofluoromethylenesulfonyl radical derivs.)  
 RN 1512-30-7 CAPLUS  
 CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)





L17 ANSWER 77 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:855743 CAPLUS

DOCUMENT NUMBER: 139:335104

TITLE: Gelsolin as a prognostic marker of atherosclerotic diseases

INVENTOR(S): Stossel, Thomas P.

PATENT ASSIGNEE(S): The Brigham and Women's Hospital, Inc., USA

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

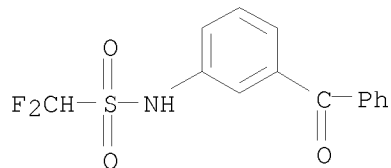
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003088811	A2	20031030	WO 2003-US11722	20030416
WO 2003088811	A3	20040226		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003226401	A1	20031103	AU 2003-226401	20030416
PRIORITY APPLN. INFO.:			US 2002-373043P	P 20020416
			WO 2003-US11722	W 20030416
IT 22737-01-5,	Diflumidone Sodium			
RL:	BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)			
	(gelsolin as prognostic marker of atherosclerotic diseases)			
RN 22737-01-5	CAPLUS			
CN	Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)			



● Na

L17 ANSWER 78 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:841912 CAPLUS

DOCUMENT NUMBER: 140:93565

TITLE: Carbon-chain isomerization during the electrochemical fluorination in anhydrous hydrogen fluoride-a mechanistic study

AUTHOR(S): Ignat'ev, Nikolai V.; Welz-Biermann, Urs; Heider, Udo; Kucheryna, Andriy; von Ahsen, Stefan; Habel, Wolfgang; Sartori, Peter; Willner, Helge

CORPORATE SOURCE: Merck KGaA, Darmstadt, D-64271, Germany

SOURCE: Journal of Fluorine Chemistry (2003), 124(1), 21-37  
CODEN: JFLCAR; ISSN: 0022-1139

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 140:93565

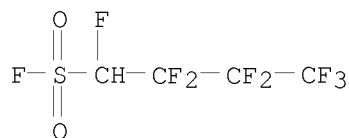
IT 89949-47-3P 108858-10-2P 643766-61-4P

643766-63-6P 643766-67-0P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(ab initio and NMR spectroscopy on mechanistic carbon-chain isomerization during electrochem. fluorination in anhydrous hydrogen fluoride)

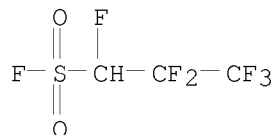
RN 89949-47-3 CAPLUS

CN 1-Butanesulfonyl fluoride, 1,2,2,3,3,4,4,4-octafluoro- (CA INDEX NAME)



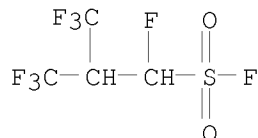
RN 108858-10-2 CAPLUS

CN 1-Propanesulfonyl fluoride, 1,2,2,3,3,3-hexafluoro- (CA INDEX NAME)



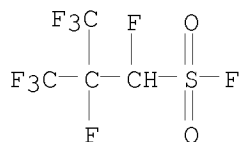
RN 643766-61-4 CAPLUS

CN 1-Propanesulfonyl fluoride, 1,3,3,3-tetrafluoro-2-(trifluoromethyl)- (CA INDEX NAME)

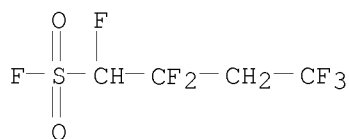


RN 643766-63-6 CAPLUS

CN 1-Propanesulfonyl fluoride, 1,2,3,3,3-pentafluoro-2-(trifluoromethyl)- (CA INDEX NAME)



RN 643766-67-0 CAPLUS  
 CN 1-Butanesulfonyl fluoride, 1,2,2,4,4,4-hexafluoro- (CA INDEX NAME)

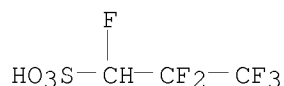


REFERENCE COUNT: 75 THERE ARE 75 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 79 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:818512 CAPLUS  
 DOCUMENT NUMBER: 139:294305  
 TITLE: Levulinic and formic acid esters, as gasoline and diesel fuel oxygenate additives, prepared from biomass by hydrolysis and esterification with olefins  
 INVENTOR(S): Fagan, Paul Joseph; Korolessi, Ekaterini; Manzer, Leo E.; Mehta, Rakesh; Thomas, Stuart M.  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 28 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003085071	A1	20031016	WO 2003-US9853	20030401
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2479531	A1	20031016	CA 2003-2479531	20030401
AU 2003224812	A1	20031020	AU 2003-224812	20030401
US 20030233011	A1	20031218	US 2003-404322	20030401
US 7153996	B2	20061226		
EP 1490457	A1	20041229	EP 2003-721503	20030401
EP 1490457	B1	20070613		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1643116	A	20050720	CN 2003-807436	20030401
JP 2005521748	T	20050721	JP 2003-582252	20030401
US 20050118691	A1	20050602	US 2004-507062	20040823
PRIORITY APPLN. INFO.:			US 2002-369380P	P 20020401

OTHER SOURCE(S): MARPAT 139:294305  
 IT 609826-42-8  
 RL: CAT (Catalyst use); USES (Uses)  
 (acid catalysts; levulinic and formic acid esters, as gasoline and  
 diesel fuel oxygenate additives, prepared from biomass by hydrolysis and  
 esterification with olefins)  
 RN 609826-42-8 CAPLUS  
 CN 1-Propanesulfonic acid, 1,2,2,3,3,3-hexafluoro- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 80 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:777481 CAPLUS

DOCUMENT NUMBER: 139:256716

TITLE: Herbicidal composition and method of weeding with the  
 same

INVENTOR(S): Kawasaki, Hiroshi; Miyazawa, Takeshige

PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003079784	A1	20031002	WO 2003-JP3541	20030324
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW	
RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
AU 2003221022	A1	20031008	AU 2003-221022	20030324
CN 1642417	A	20050720	CN 2003-806904	20030324
CN 1315379	C	20070516		
CN 101015295	A	20070815	CN 2007-10087788	20030324
US 20050170964	A1	20050804	US 2004-507929	20040917
PRIORITY APPLN. INFO.:			JP 2002-88886	A 20020327
			CN 2003-806904	A3 20030324
			WO 2003-JP3541	W 20030324

IT 601499-73-4 601499-76-7 601499-78-9  
 601499-80-3 601499-82-5 601499-88-1  
 601499-90-5 601499-92-7 601499-94-9  
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 601500-02-1 601500-05-4

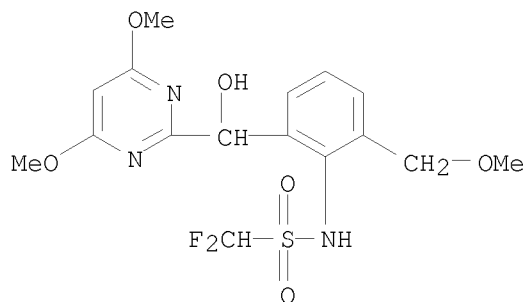
RL: AGR (Agricultural use); BCP (Biochemical process); BIOL (Biological study); PROC (Process); USES (Uses)  
 (rice field synergistic herbicidal composition containing)

RN 601499-73-4 CAPLUS  
 CN 1H-Tetrazole-1-carboxamide, 4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

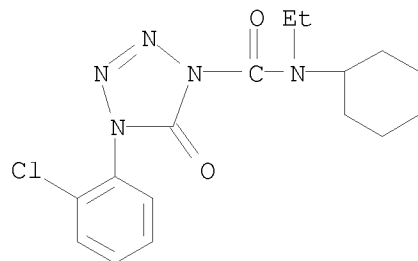
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 158237-07-1

CMF C16 H20 Cl N5 O2

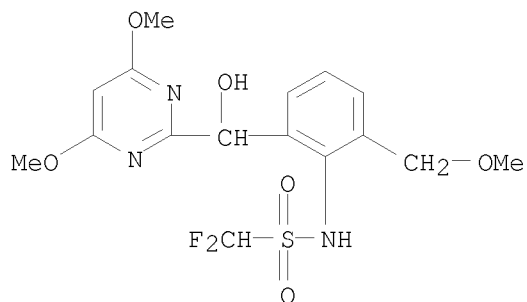


RN 601499-76-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[1-(3,5-dichlorophenyl)-1-methylethyl]-2,3-dihydro-6-methyl-5-phenyl-4H-1,3-oxazin-4-one (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

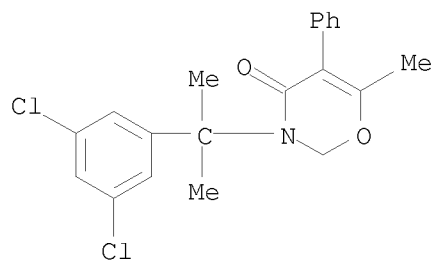
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 153197-14-9

CMF C20 H19 Cl2 N O2



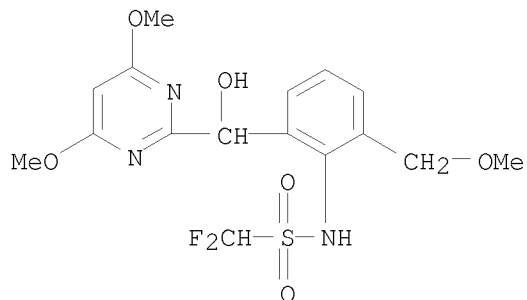
RN 601499-78-9 CAPLUS

CN Carbamothioic acid, (6-methoxy-2-pyridinyl)methyl-,  
O-[3-(1,1-dimethylethyl)phenyl] ester, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

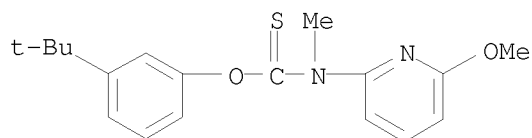
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 88678-67-5

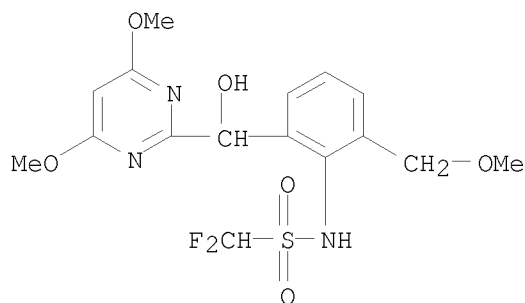
CMF C18 H22 N2 O2 S



RN 601499-80-3 CAPLUS  
 CN Phosphoramidothioic acid, (1-methylpropyl)-, O-ethyl  
 O-(5-methyl-2-nitrophenyl) ester, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
 1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

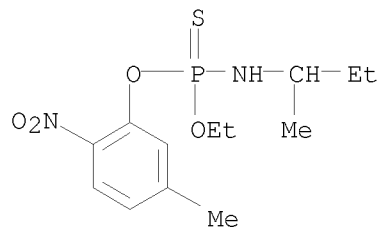
CM 1

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

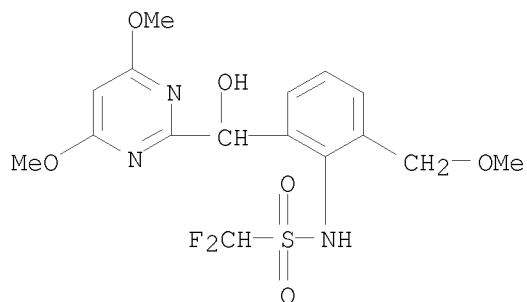
CRN 36335-67-8  
 CMF C13 H21 N2 O4 P S



RN 601499-82-5 CAPLUS  
 CN Phosphorodithioic acid, S-[2-[(4-chlorophenyl)(1-methylethyl)amino]-2-  
 oxoethyl] O,O-dimethyl ester, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
 1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

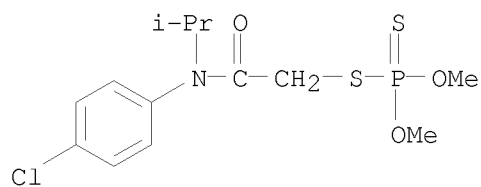
CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

CRN 64249-01-0

CMF C13 H19 Cl N O3 P S2



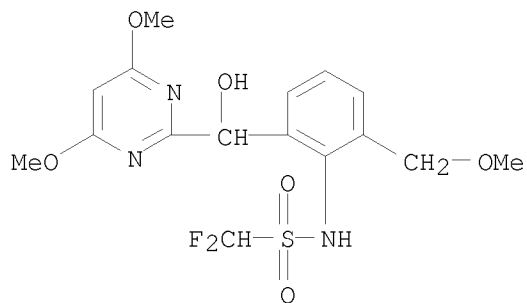
RN 601499-88-1 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[2,4-dichloro-5-(2-propynyloxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

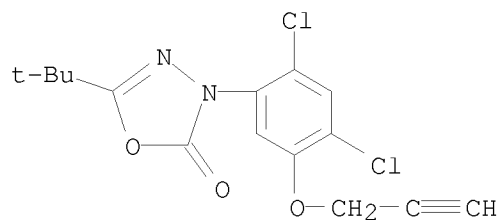


CM 2

CRN 39807-15-3

CMF C15 H14 Cl2 N2 O3





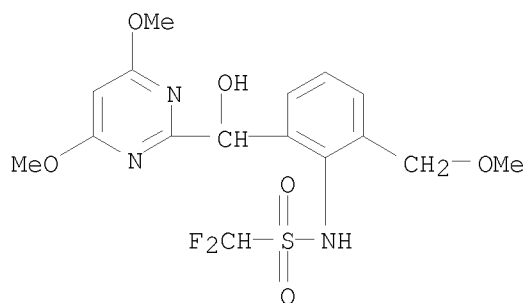
RN 601499-90-5 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[2-chloro-4-(methylsulfonyl)benzoyl]-4-(phenylthio)bicyclo[3.2.1]oct-3-en-2-one (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

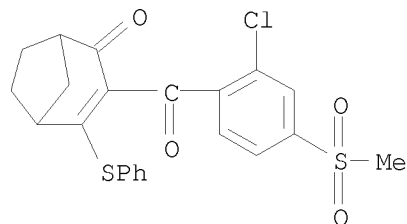
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CM 2

CRN 156963-66-5

CMF C22 H19 Cl O4 S2



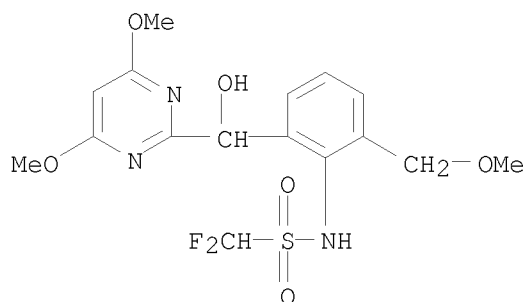
RN 601499-92-7 CAPLUS

CN 3,5-Pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-, S,S-dimethyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

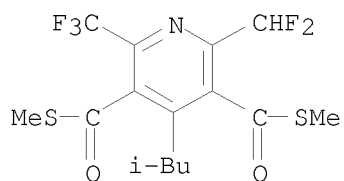
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 97886-45-8

CMF C15 H16 F5 N O2 S2



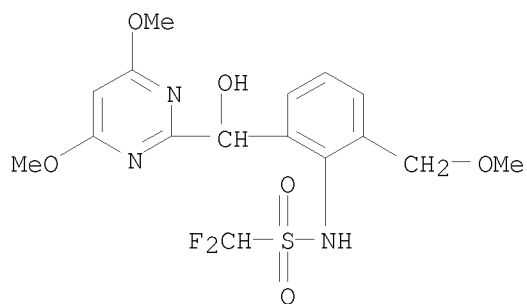
RN 601499-94-9 CAPLUS

CN 1H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

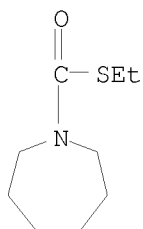
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 2212-67-1

CMF C9 H17 N O S

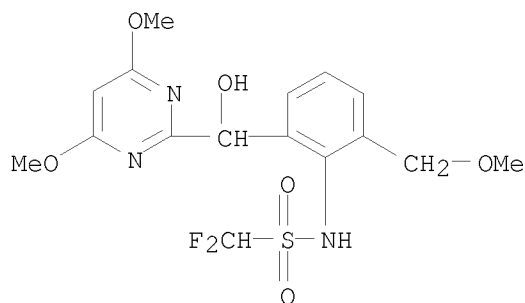


RN 601499-96-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-amino-3-chloro-1,4-naphthalenedione (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

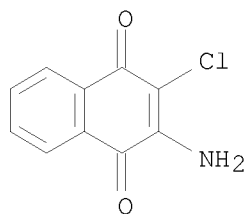
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 2797-51-5

CMF C10 H6 Cl N O2

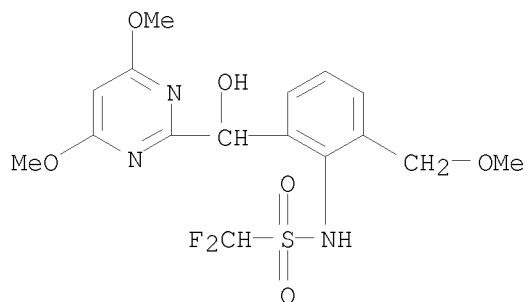


RN 601499-98-3 CAPLUS  
 CN Benzoic acid, 2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-6-[(1E)-1-(methoxyimino)ethyl]-, methyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S

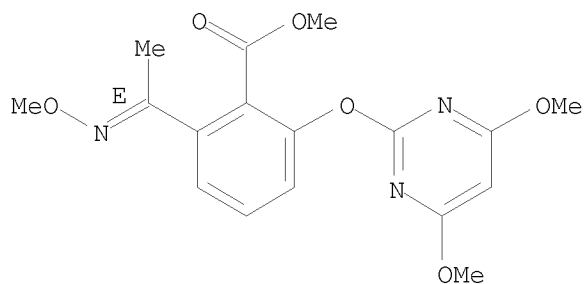


CM 2

CRN 147411-69-6

CMF C17 H19 N3 O6

Double bond geometry as shown.



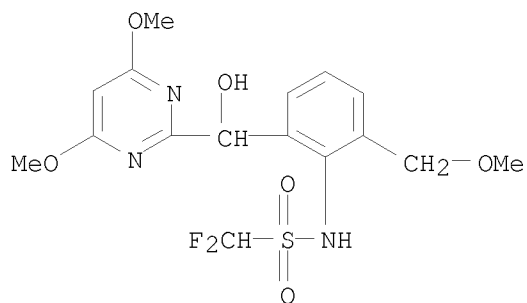
RN 601500-00-9 CAPLUS

CN Benzoic acid, 2-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]methyl]-, methyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

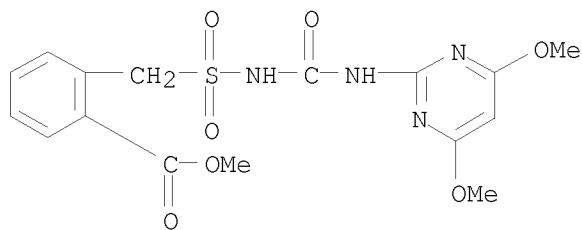
CRN 221205-90-9

CMF C16 H19 F2 N3 O6 S



CM 2

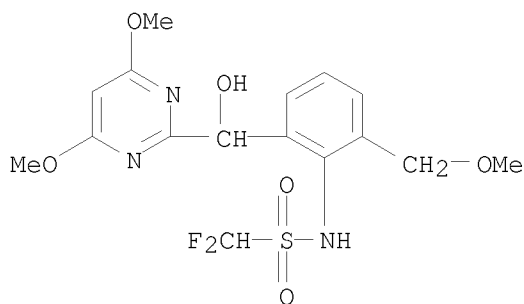
CRN 83055-99-6  
CMF C16 H18 N4 O7 S



RN 601500-02-1 CAPLUS  
CN 1H-Pyrazole-4-carboxylic acid, 5-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-1-methyl-, ethyl ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

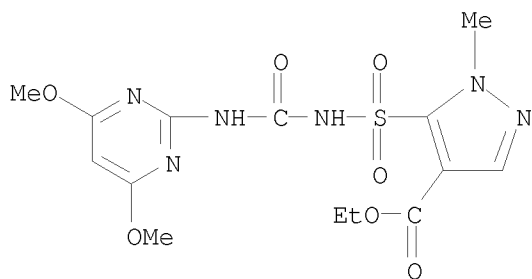
CM 1

CRN 221205-90-9  
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 93697-74-6  
CMF C14 H18 N6 O7 S



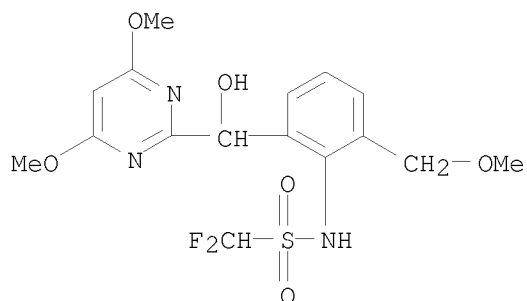
RN 601500-05-4 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-

(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with  
 7-[(4,6-dimethoxy-2-pyrimidinyl)thio]-3-methyl-1(3H)-isobenzofuranone  
 (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

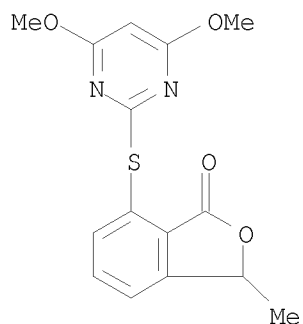
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 135186-78-6

CMF C15 H14 N2 O4 S



IT 601499-86-9

RL: BCP (Biochemical process); BIOL (Biological study); PROC (Process)  
 (rice field synergistic herbicidal composition containing)

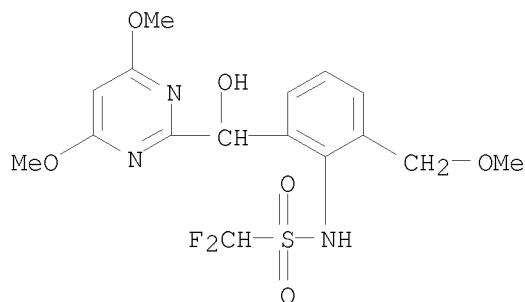
RN 601499-86-9 CAPLUS

CN Benzoic acid, 5-(2,4-dichlorophenoxy)-2-nitro-, methyl ester, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
 1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

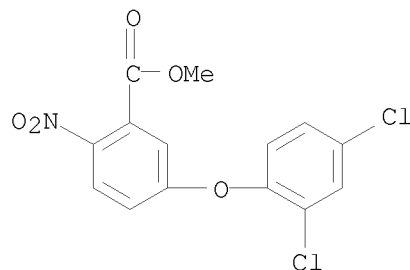
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 42576-02-3

CMF C14 H9 C12 N O5



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 81 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:559035 CAPLUS

DOCUMENT NUMBER: 139:117142

TITLE: Preparation of fluorine-containing alkanesulfonyl fluorides

INVENTOR(S): Kobayashi, Masashi; Tanioka, Takashi; Kumase, Hiroshi; Fukai, Yasushi

PATENT ASSIGNEE(S): Kanto Denka Kogyo Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003206272	A	20030722	JP 2001-400456	20011228
JP 4005807	B2	20071114		

PRIORITY APPLN. INFO.: JP 2001-400456 20011228

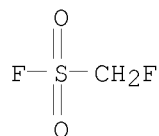
OTHER SOURCE(S): CASREACT 139:117142; MARPAT 139:117142

IT 1426-07-9P

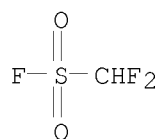
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of F-containing alkanesulfonyl fluorides by fluorination of alkanesulfonyl fluorides)

RN 1426-07-9 CAPLUS  
CN Methanesulfonyl fluoride, fluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



IT 1554-47-8P, Difluoromethanesulfonyl fluoride  
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP  
(Preparation)  
(preparation of F-containing alkanesulfonyl fluorides by fluorination of  
alkanesulfonyl fluorides)  
RN 1554-47-8 CAPLUS  
CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)

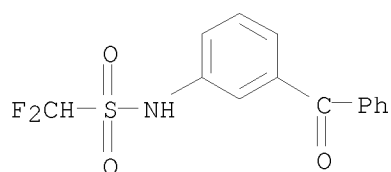


L17 ANSWER 82 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2003:377132 CAPLUS  
DOCUMENT NUMBER: 138:367144  
TITLE: Soluble CD40L (CD154) as a prognostic marker of  
atherosclerotic diseases  
INVENTOR(S): Schoenbeck, Uwe; Ridker, Paul M.; Libby, Peter  
PATENT ASSIGNEE(S): The Brigham and Women's Hospital, Inc., USA  
SOURCE: PCT Int. Appl., 66 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003040691	A2	20030515	WO 2002-US35505	20021105
WO 2003040691	A3	20031113		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2464531	A1	20030515	CA 2002-2464531	20021105
AU 2002343620	A1	20030519	AU 2002-343620	20021105
US 20030152566	A1	20030814	US 2002-288253	20021105
US 7189518	B2	20070313		
EP 1451577	A2	20040901	EP 2002-780578	20021105
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			



IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK  
 CN 1613012 A 20050504 CN 2002-826711 20021105  
 JP 2005515407 T 20050526 JP 2003-542897 20021105  
 US 20080058360 A1 20080306 US 2007-716996 20070312  
 PRIORITY APPLN. INFO.: US 2001-338841P P 20011105  
 US 2002-288253 A1 20021105  
 WO 2002-US35505 W 20021105  
 IT 22737-01-5, Diflumidone Sodium  
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (soluble CD40L as prognostic marker of atherosclerotic diseases, and use  
 in therapeutic agent assessment)  
 RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
 (CA INDEX NAME)



● Na

L17 ANSWER 83 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:319747 CAPLUS  
 DOCUMENT NUMBER: 138:326655  
 TITLE: Solubilization by non-inclusion cyclodextrin complexes  
 INVENTOR(S): Loftsson, Thorsteinn  
 PATENT ASSIGNEE(S): Decode Genetics Ehf., Iceland  
 SOURCE: PCT Int. Appl., 63 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

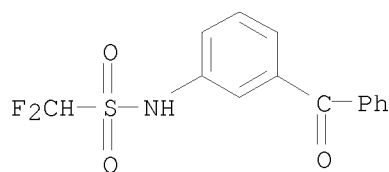
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033025	A2	20030424	WO 2002-IS18	20021017
WO 2003033025	A3	20040304		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2463687	A1	20030424	CA 2002-2463687	20021017
AU 2002349811	A1	20030428	AU 2002-349811	20021017
EP 1443969	A2	20040811	EP 2002-785890	20021017
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			

US 20030109492	A1	20030612	US 2002-272936	20021018
US 7115586	B2	20061003		
PRIORITY APPLN. INFO.:			US 2001-329751P	P 20011018
			US 2002-350008P	P 20020123
			WO 2002-IS18	W 20021017

IT 22737-01-5, Diflumidone sodium  
 RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
 (solubilization of insol. or sparingly soluble agents by inclusion or non-inclusion cyclodextrin complexation)

RN 22737-01-5 CAPLUS

CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)



● Na

L17 ANSWER 84 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:189450 CAPLUS

DOCUMENT NUMBER: 139:85266

TITLE: Development of direct fluorination technology for application to materials for lithium batteries

AUTHOR(S): Kobayashi, Masafumi; Inoguchi, Tetsuya; Iida, Takashi; Tanioka, Takashi; Kumase, Hiroshi; Fukai, Yasushi

CORPORATE SOURCE: New Products Development Division, New Materials Laboratory, Kanto Denka Kogyo Co. Ltd., Gunma, 377-8513, Japan

SOURCE: Journal of Fluorine Chemistry (2003), 120(2), 105-110  
 CODEN: JFLCAR; ISSN: 0022-1139

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

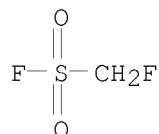
LANGUAGE: English

OTHER SOURCE(S): CASREACT 139:85266

IT 1426-07-9P 1554-47-8P, Difluoromethanesulfonyl fluoride  
 RL: BYP (Byproduct); PREP (Preparation)  
 (direct fluorination of methanesulfonyl fluoride)

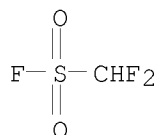
RN 1426-07-9 CAPLUS

CN Methanesulfonyl fluoride, fluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



RN 1554-47-8 CAPLUS

CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 85 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:42238 CAPLUS

DOCUMENT NUMBER: 138:106243

TITLE: Process for the preparation of nitrile compounds by cyanation of optionally protected dihydroxy alkanesulfonates in the presence of phase transfer catalysts, and its application to the preparation of an atorvastatin intermediate.

INVENTOR(S): Blacker, Andrew John; Houson, Ian Nicholas; Wiffen, Jonathan William

PATENT ASSIGNEE(S): Avecia Limited, UK

SOURCE: PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003004459	A2	20030116	WO 2002-GB2964	20020627
WO 2003004459	A3	20030501		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2452683	A1	20030116	CA 2002-2452683	20020627
AU 2002314344	A1	20030121	AU 2002-314344	20020627
EP 1404646	A2	20040407	EP 2002-740915	20020627
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
HU 2004000026	A2	20040428	HU 2004-26	20020627
CN 1522242	A	20040818	CN 2002-813106	20020627
CN 1243725	C	20060301		
JP 2004533483	T	20041104	JP 2003-510427	20020627
IN 2003MN01134	A	20050429	IN 2003-MN1134	20031215
US 20040254391	A1	20041216	US 2004-482381	20040719
IN 2004MN00537	A	20050513	IN 2004-MN537	20040928
PRIORITY APPLN. INFO.:			GB 2001-16212	A 20010703
			WO 2002-GB2964	W 20020627

OTHER SOURCE(S): CASREACT 138:106243; MARPAT 138:106243

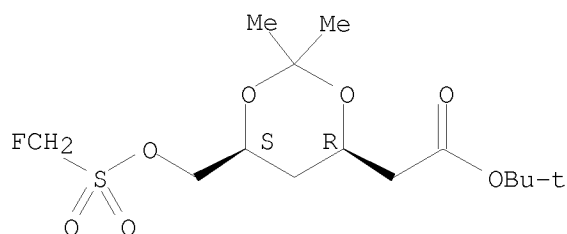
IT 485817-64-9P, (6S-Fluoromethanesulfonyloxymethyl-2,2-dimethyl-[1,3]dioxan-4R-yl)acetic acid tert-butyl ester 485817-65-0P, (6S-Difluoromethanesulfonyloxymethyl-2,2-dimethyl-[1,3]dioxan-4R-yl)acetic acid tert-butyl ester

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(process intermediate; improved preparation of nitriles by mesylation of alcs. and cyanation of mesylates using phase transfer catalysts for preparation of key atorvastatin intermediate)

RN 485817-64-9 CAPLUS

CN D-erythro-Hexonic acid, 2,4-dideoxy-3,5-O-(1-methylethylidene)-, 1,1-dimethylethyl ester, fluoromethanesulfonate (9CI) (CA INDEX NAME)

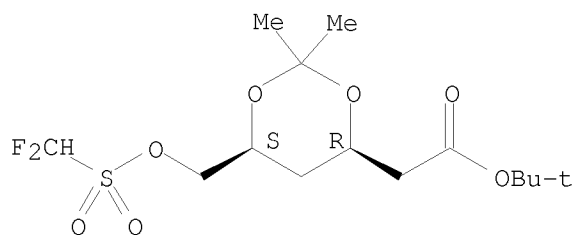
Absolute stereochemistry.



RN 485817-65-0 CAPLUS

CN D-erythro-Hexonic acid, 2,4-dideoxy-3,5-O-(1-methylethylidene)-, 1,1-dimethylethyl ester, difluoromethanesulfonate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L17 ANSWER 86 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:937622 CAPLUS

DOCUMENT NUMBER: 137:384642

TITLE: Asymmetric synthesis of secondary propargyl alcohols

INVENTOR(S): Jiang, Biao; Xiong, Wennan; Chen, Zili

PATENT ASSIGNEE(S): Shanghai Inst. of Organic Chemistry, Chinese Academy of Sciences, Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp. CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1314333	A	20010926	CN 2001-105779	20010323
CN 1197836	C	20050420		

PRIORITY APPLN. INFO.: CN 2001-105779 20010323

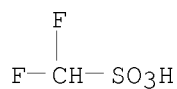
OTHER SOURCE(S): CASREACT 137:384642; MARPAT 137:384642

IT 473928-09-5 475557-06-3 475557-14-3

RL: CAT (Catalyst use); USES (Uses)

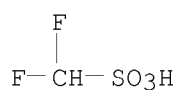
(asym. synthesis of secondary propargyl alcs. by addition reaction of alkynes with aldehydes in presence of fluoromethanesulfonates)

RN 473928-09-5 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, zinc salt (2:1) (CA INDEX NAME)



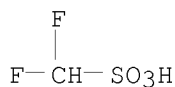
●1/2 Zn

RN 475557-06-3 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, cadmium salt (2:1) (CA INDEX NAME)



●1/2 Cd

RN 475557-14-3 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, bismuth(3+) salt (3:1) (CA INDEX NAME)

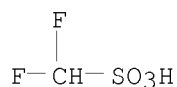


●1/3 Bi(III)

L17 ANSWER 87 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2002:931697 CAPLUS  
DOCUMENT NUMBER: 137:369733  
TITLE: Preparation of difluoromethanesulfonic acid metal salts as catalysts for addition reaction of aldehydes with terminal alkynes  
INVENTOR(S): Jiang, Biao; Wang, Quanfu; Xiong, Wennan; Zhang, Mingyu  
PATENT ASSIGNEE(S): Shanghai Inst. of Organic Chemistry, Chinese Academy of Sciences, Peop. Rep. China  
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp. CODEN: CNXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

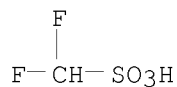
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1314344	A	20010926	CN 2001-105780	20010323
CN 1112355	C	20030625		

PRIORITY APPLN. INFO.: CN 2001-105780 20010323  
 OTHER SOURCE(S): CASREACT 137:369733  
 IT 473928-09-5P 475557-06-3P 475557-07-4P  
 475557-08-5P 475557-09-6P 475557-10-9P  
 475557-11-0P 475557-12-1P 475557-13-2P  
 475557-14-3P 475557-15-4P  
 RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);  
 USES (Uses)  
 (preparation of difluoromethanesulfonic acid metal salts as catalysts for  
 addition reaction of aldehydes with terminal alkynes)  
 RN 473928-09-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, zinc salt (2:1) (CA INDEX NAME)



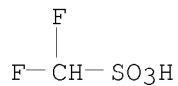
● 1/2 Zn

RN 475557-06-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, cadmium salt (2:1) (CA INDEX NAME)



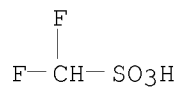
● 1/2 Cd

RN 475557-07-4 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, mercury(2+) salt (2:1) (CA INDEX NAME)



● 1/2 Hg(II)

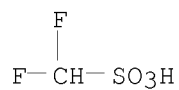
RN 475557-08-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, copper(2+) salt (2:1) (CA INDEX NAME)



●1/2 Cu(II)

RN 475557-09-6 CAPLUS

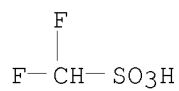
CN Methanesulfonic acid, 1,1-difluoro-, silver(2+) salt (2:1) (CA INDEX NAME)



●1/2 Ag(II)

RN 475557-10-9 CAPLUS

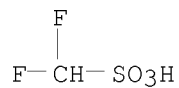
CN Methanesulfonic acid, 1,1-difluoro-, indium(3+) salt (3:1) (CA INDEX NAME)



●1/3 In(III)

RN 475557-11-0 CAPLUS

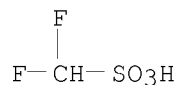
CN Methanesulfonic acid, 1,1-difluoro-, tin(2+) salt (2:1) (CA INDEX NAME)



●1/2 Sn(II)

RN 475557-12-1 CAPLUS

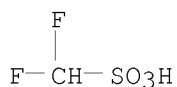
CN Methanesulfonic acid, 1,1-difluoro-, lead(2+) salt (2:1) (CA INDEX NAME)



●1/2 Pb(II)

RN 475557-13-2 CAPLUS

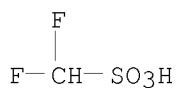
CN Methanesulfonic acid, 1,1-difluoro-, antimony(3+) salt (3:1) (CA INDEX NAME)



●1/3 Sb(III)

RN 475557-14-3 CAPLUS

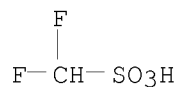
CN Methanesulfonic acid, 1,1-difluoro-, bismuth(3+) salt (3:1) (CA INDEX NAME)



●1/3 Bi(III)

RN 475557-15-4 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-, yttrium(3+) salt (3:1) (CA INDEX NAME)



●1/3 Y(III)

IT 1554-47-8P 40856-07-3P

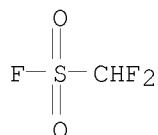
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of difluoromethanesulfonic acid metal salts as catalysts for addition reaction of aldehydes with terminal alkynes)

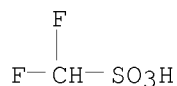
RN 1554-47-8 CAPLUS

CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)





RN 40856-07-3 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 88 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2002:849289 CAPLUS  
DOCUMENT NUMBER: 137:346134  
TITLE: Anti-infective agents and drug efflux pump inhibitors containing heteroaromatic compounds and  
INVENTOR(S): Hoshino, Kazuki; Ishida, Hiroko; Omovskaya, Olga; Dudley, Michael; Rleger, Roger; Watkins, William John; Zhang, Jason Zhijia; Renau, Thomas Eric; Lee, Ving Jack; Ota, Toshiharu; Nakayama, Kiyoshi; Ishida, Yohei; Otsuka, Masami; Kawato, Haruko  
PATENT ASSIGNEE(S): Daiichi Seiyaku Co., Ltd., Japan; Microcide Pharmaceuticals Inc.  
SOURCE: Jpn. Kokai Tokkyo Koho, 95 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

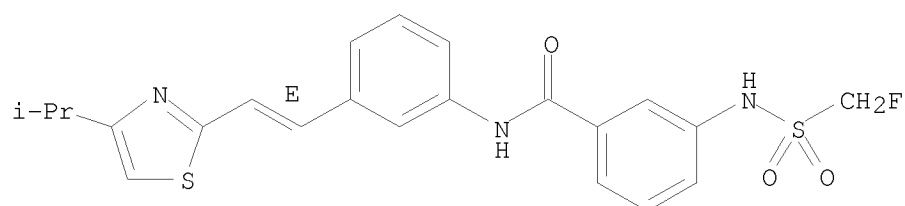
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002322054	A	20021108	JP 2001-130247	20010426
PRIORITY APPLN. INFO.:			JP 2001-130247	20010426

OTHER SOURCE(S): MARPAT 137:346134  
IT 337904-38-8P

RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of heteroarom. compds. as drug efflux pump inhibitors for treatment of infections)

RN 337904-38-8 CAPLUS  
CN Benzamide, 3-[[[(fluoromethyl)sulfonyl]amino]-N-[3-[(1E)-2-[4-(1-methylethyl)-2-thiazolyl]ethenyl]phenyl]- (CA INDEX NAME)

Double bond geometry as shown.



L17 ANSWER 89 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:770681 CAPLUS

DOCUMENT NUMBER: 138:145761

TITLE: Chemical modification of the superconducting  
 $\beta'''-(\text{ET})_2\text{SF}_5\text{CH}_2\text{CF}_2\text{SO}_3$  structure through use of  
 $\text{CF}_3\text{CRR}'\text{SO}_3^-$  anions

AUTHOR(S): Schlueter, John A.; Ward, Brian H.; Geiser, Urs; Kini,  
Aravinda M.; Wang, H. Hau; Hata, Aaron N.; Mohtasham,  
Javid; Winter, Rolf W.; Gard, Gary L.

CORPORATE SOURCE: Materials Science Division, Argonne National  
Laboratory, Argonne, IL, 60439, USA

SOURCE: Molecular Crystals and Liquid Crystals Science and  
Technology, Section A: Molecular Crystals and Liquid  
Crystals (2002), 380, 129-133  
CODEN: MCLCE9; ISSN: 1058-725X

PUBLISHER: Taylor & Francis Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 494226-60-7P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(crystal structure; chemical modification of superconducting  
 $\beta'''-(\text{ET})_2\text{SF}_5\text{CH}_2\text{CF}_2\text{SO}_3$  structure through use of  $\text{CF}_3\text{CRR}'\text{SO}_3^-$  anions)

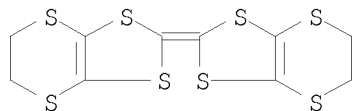
RN 494226-60-7 CAPLUS

CN Lithate(1-), bis(1,2,2,2-tetrafluoroethanesulfonato- $\kappa\text{O}$ )-, salt with  
2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-  
dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3

CMF C10 H8 S8



CM 2

CRN 494226-59-4

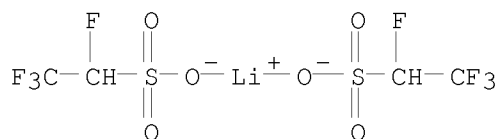
CMF C10 H8 S8 . C4 H2 F8 Li O6 S2

CM 3

CRN 494226-58-3

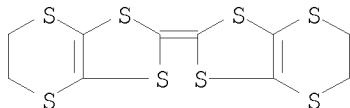
CMF C4 H2 F8 Li O6 S2

CCI CCS



CM 4

CRN 82428-14-6  
CMF C10 H8 S8  
CCI RIS



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 90 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:770678 CAPLUS

DOCUMENT NUMBER: 138:129400

TITLE: Electronic structure of novel cation-radical salts in high magnetic fields

AUTHOR(S): Brooks, J. S.; Balicas, L.; Storr, K.; Ward, B. H.; Uji, S.; Terashima, T.; Terakura, C.; Schlueter, J. A.; Winter, R. W.; Mohtasham, J.; Gard, G. L.; Papavassiliou, G. C.; Tokumoto, M.

CORPORATE SOURCE: NHMFL-Physics, Florida State Univ., Tallahassee, FL, USA

SOURCE: Molecular Crystals and Liquid Crystals Science and Technology, Section A: Molecular Crystals and Liquid Crystals (2002), 380, 109-116  
CODEN: MCLCE9; ISSN: 1058-725X

PUBLISHER: Taylor & Francis Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 236111-25-4, (BEDT-TTF)2SF5CHFSO3

RL: PRP (Properties)

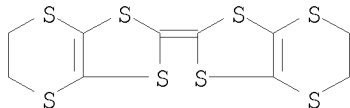
( $\beta''$ ; electronic structure of cation-radical salts in high magnetic fields)

RN 236111-25-4 CAPLUS

CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3  
CMF C10 H8 S8

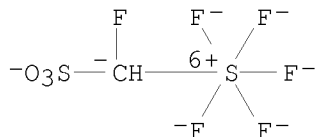


CM 2

CRN 236111-24-3  
CMF C10 H8 S8 . C H F6 O3 S2

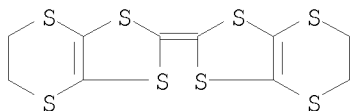
CM 3

CRN 236111-23-2  
 CMF C H F6 O3 S2  
 CCI CCS



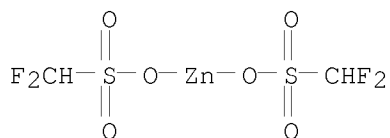
CM 4

CRN 82428-14-6  
 CMF C10 H8 S8  
 CCI RIS

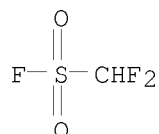


REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

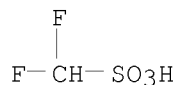
L17 ANSWER 91 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:689811 CAPLUS  
 DOCUMENT NUMBER: 138:187446  
 TITLE: Zn(ODf)2: preparation and application in asymmetric alkynylation of aldehydes  
 AUTHOR(S): Chen, Zili; Xiong, Wennan; Jiang, Biao  
 CORPORATE SOURCE: State Key Laboratory of Organometallic Chemistry, Chinese Academy of Sciences, Shanghai, 200032, Peop. Rep. China  
 SOURCE: Chemical Communications (Cambridge, United Kingdom) (2002), (18), 2098-2099  
 CODEN: CHCOFS; ISSN: 1359-7345  
 PUBLISHER: Royal Society of Chemistry  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 138:187446  
 IT 499159-66-9P  
 RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);  
 USES (Uses)  
 (preparation of zinc difluoromethanesulfonate for asym. alkynylation of aldehydes)  
 RN 499159-66-9 CAPLUS  
 CN Zinc, bis(difluoromethanesulfonato-κO)- (9CI) (CA INDEX NAME)



IT 1554-47-8P, Difluoromethanesulfonyl fluoride 40856-07-3P  
 , Difluoromethanesulfonic acid  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of zinc difluoromethanesulfonate for asym. alkynylation of  
 aldehydes)  
 RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)

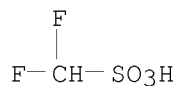


RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 92 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:667578 CAPLUS  
 DOCUMENT NUMBER: 137:337456  
 TITLE: Highly Enantioselective Alkynylation of  $\alpha$ -Keto  
 Ester: An Efficient Method for Constructing a Chiral  
 Tertiary Carbon Center  
 AUTHOR(S): Jiang, Biao; Chen, Zili; Tang, Xiaoxia  
 CORPORATE SOURCE: Shanghai Institute of Organic Chemistry, Chinese  
 Academy of Sciences, State Key Laboratory of  
 Organometallic Chemistry, Shanghai, 200032, Peop. Rep.  
 China  
 SOURCE: Organic Letters (2002), 4(20), 3451-3453  
 CODEN: ORLEF7; ISSN: 1523-7060  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 137:337456  
 IT 473928-09-5  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalytic asym. addition of terminal alkynes to  $\alpha$ -keto esters)  
 RN 473928-09-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, zinc salt (2:1) (CA INDEX NAME)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 93 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:539484 CAPLUS

DOCUMENT NUMBER: 137:108891

TITLE: Perfluoro sulfonyl halides and related species as polymer support modifiers for solid-phase synthesis

INVENTOR(S): Holmes, Christopher; Pan, Yijun

PATENT ASSIGNEE(S): Affymax, Inc., USA

SOURCE: PCT Int. Appl., 92 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2002055026	A2	20020718	WO 2002-US839	20020111
WO 2002055026	A3	20021114		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2434570	A1	20020718	CA 2002-2434570	20020111
AU 2002246986	A1	20020724	AU 2002-246986	20020111
AU 2002246986	B2	20061109		
US 20030124612	A1	20030703	US 2002-44784	20020111
EP 1352243	A2	20031015	EP 2002-714736	20020111
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
HU 2003003192	A2	20031229	HU 2003-3192	20020111
CN 1524181	A	20040825	CN 2002-806352	20020111
JP 2005501798	T	20050120	JP 2002-555763	20020111
BR 2002006386	A	20050426	BR 2002-6386	20020111
RU 2291146	C2	20070110	RU 2003-121311	20020111
ZA 2003005099	A	20041103	ZA 2003-5099	20030630
IN 2003DN01021	A	20070316	IN 2003-DN1021	20030630
US 20040106151	A1	20040603	US 2003-466124	20030710
MX 2003PA06228	A	20041206	MX 2003-PA6228	20030711
PRIORITY APPLN. INFO.:			US 2001-261525P	P 20010112
			WO 2002-US839	W 20020111

OTHER SOURCE(S): CASREACT 137:108891; MARPAT 137:108891

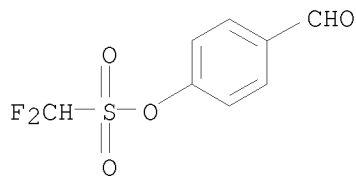
IT 442692-88-8D, polymer-supported

RL: RCT (Reactant); RACT (Reactant or reagent)

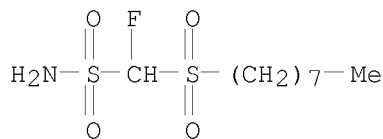
(perfluoro sulfonyl halides and related species as polymer support modifiers for solid-phase synthesis)

RN 442692-88-8 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-, 4-formylphenyl ester (CA INDEX NAME)



L17 ANSWER 94 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:517043 CAPLUS  
 DOCUMENT NUMBER: 137:226188  
 TITLE: Successful Virtual Screening for Novel Inhibitors of Human Carbonic Anhydrase: Strategy and Experimental Confirmation  
 AUTHOR(S): Grueneberg, Sven; Stubbs, Milton T.; Klebe, Gerhard  
 CORPORATE SOURCE: Institute of Pharmaceutical Chemistry, University of Marburg, Marburg, D-35032, Germany  
 SOURCE: Journal of Medicinal Chemistry (2002), 45(17), 3588-3602  
 CODEN: JMCMAR; ISSN: 0022-2623  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 149526-19-2  
 RL: PAC (Pharmacological activity); BIOL (Biological study)  
 (successful virtual screening for novel inhibitors of human carbonic anhydrase in relation to strategy and exptl. confirmation)  
 RN 149526-19-2 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-1-(octylsulfonyl)- (CA INDEX NAME)



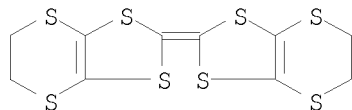
REFERENCE COUNT: 99 THERE ARE 99 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 95 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:462931 CAPLUS  
 DOCUMENT NUMBER: 137:160735  
 TITLE: Local and Spatial Disorder in  $\beta''$ -(ET)2SF5RSO3 Solid Solutions (R = CH2CF2, CHF, CHFCF2)  
 AUTHOR(S): Garlach, A. D.; Musfeldt, J. L.; Pigos, J. M.; Jones, B. R.; Olejniczak, I.; Graja, A.; Whangbo, M.-H.; Schlueter, J. A.; Geiser, U.; Winter, R. W.; Gard, G. L.  
 CORPORATE SOURCE: Department of Chemistry, University of Tennessee, Knoxville, TN, 37932, USA  
 SOURCE: Chemistry of Materials (2002), 14(7), 2969-2976  
 CODEN: CMATEX; ISSN: 0897-4756  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 236111-22-1  
 RL: PRP (Properties)  
 (local and spatial disorder in (ET)2SF5RSO3 solid solns. (R = CH2CF2,

CHF, CHFCF2))  
 RN 236111-22-1 CAPLUS  
 CN Sulfate(1-), pentafluoro(1,1,2-trifluoro-2-sulfonatoethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3  
 CMF C10 H8 S8

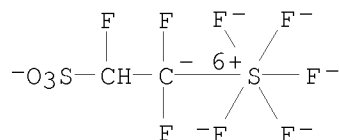


CM 2

CRN 236111-21-0  
 CMF C10 H8 S8 . C2 H F8 O3 S2

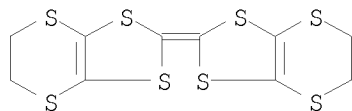
CM 3

CRN 236111-20-9  
 CMF C2 H F8 O3 S2  
 CCI CCS



CM 4

CRN 82428-14-6  
 CMF C10 H8 S8  
 CCI RIS



REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 96 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:384277 CAPLUS  
 DOCUMENT NUMBER: 136:381757  
 TITLE: Herbicide compositions for rice paddies  
 INVENTOR(S): Otsuka, Takashi; Nishioka, Hitoshi; Oda, Yoshiki  
 PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.



DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

CODEN: JKXXAF

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002145705	A	20020522	JP 2001-264338	20010831
PRIORITY APPLN. INFO.:			JP 2000-263779	A 20000831

OTHER SOURCE(S): MARPAT 136:381757

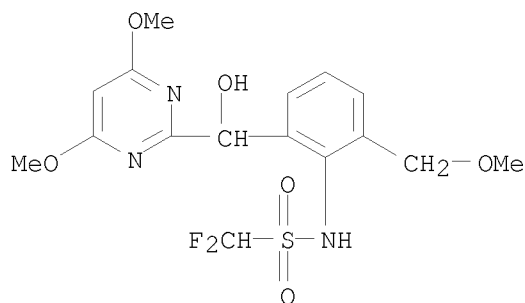
IT 221205-90-9 257871-28-6 257871-29-7  
 300666-80-2 300666-82-4

RL: AGR (Agricultural use); BCP (Biochemical process); BIOL (Biological study); PROC (Process); USES (Uses)

(in herbicide compns. for rice paddies)

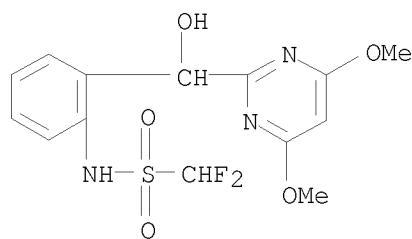
RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



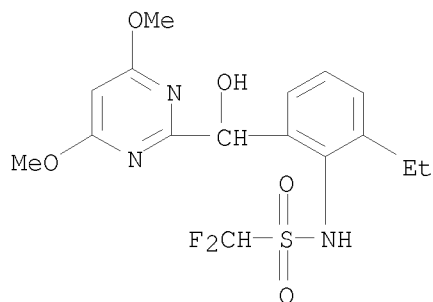
RN 257871-28-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)

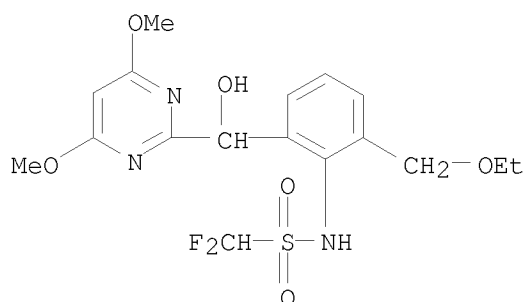


RN 257871-29-7 CAPLUS

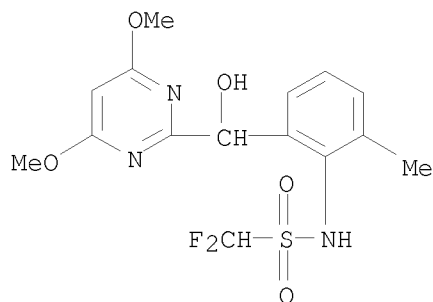
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-ethylphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 300666-80-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(ethoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



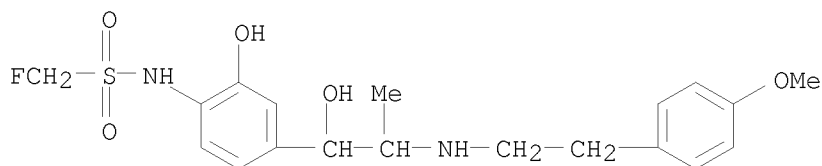
RN 300666-82-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 97 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:51201 CAPLUS  
 DOCUMENT NUMBER: 136:96079  
 TITLE: Treating neural conditions resulting from spinal cord  
 contusions and other causes  
 PATENT ASSIGNEE(S): New York Medical College, USA  
 SOURCE: PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002003918	A2	20020117	WO 2001-US21845	20010709
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
US 7135497	B1	20061114	US 2000-611652	20000707
PRIORITY APPLN. INFO.:			US 2000-611652	A 20000707
IT 220997-14-8, R 804	RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)			
(treating neural conditions resulting from spinal cord contusions and other causes)				
RN 220997-14-8	CAPLUS			
CN	Methanesulfonamide, 1-fluoro-N-[2-hydroxy-4-[1-hydroxy-2-[[2-(4-methoxyphenyl)ethyl]amino]propyl]phenyl]- (CA INDEX NAME)			



L17 ANSWER 98 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:583427 CAPLUS

DOCUMENT NUMBER: 135:311371

TITLE: Charge ordering and antiferromagnetic exchange in layered molecular crystals of the  $\theta$  type

AUTHOR(S): McKenzie, Ross H.; Merino, J.; Marston, J. B.; Sushkov, O. P.

CORPORATE SOURCE: Department of Physics, University of Queensland, Brisbane, 4072, Australia

SOURCE: Physical Review B: Condensed Matter and Materials Physics (2001), 64(8), 085109/1-085109/11  
CODEN: PRBMDO; ISSN: 0163-1829

PUBLISHER: American Physical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 236111-25-4

RL: PRP (Properties)  
(charge ordering and antiferromagnetic exchange in layered mol. crystals of the  $\theta$  type)

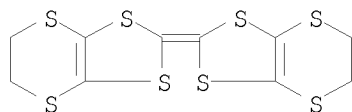
RN 236111-25-4 CAPLUS

CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3

CMF C10 H8 S8



CM 2

CRN 236111-24-3

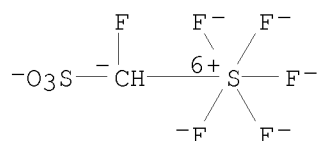
CMF C10 H8 S8 . C H F6 O3 S2

CM 3

CRN 236111-23-2

CMF C H F6 O3 S2

CCI CCS

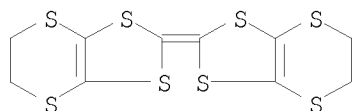


CM 4

CRN 82428-14-6

CMF C10 H8 S8

CCI RIS



REFERENCE COUNT: 82 THERE ARE 82 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 99 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:528334 CAPLUS

DOCUMENT NUMBER: 135:296636

TITLE: Crystal structure, physical properties and electronic structure of a new organic conductor  $\beta''$ -(BEDT-TTF)2SF5CHFCF2SO3

AUTHOR(S): Schlueter, John A.; Ward, Brian H.; Geiser, Urs; Wang, Hau H.; Kini, Aravinda M.; Parakka, James; Morales, Emilio; Koo, H.-J.; Whangbo, M.-H.; Winter, R. W.; Mohtasham, J.; Gard, Gary L.

CORPORATE SOURCE: Materials Science Division, Argonne National Laboratory, Argonne, IL, 60439, USA

SOURCE: Journal of Materials Chemistry (2001), 11(8), 2008-2013

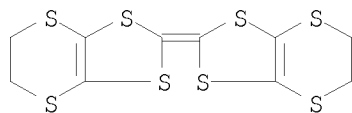
CODEN: JMACEP; ISSN: 0959-9428

PUBLISHER: Royal Society of Chemistry

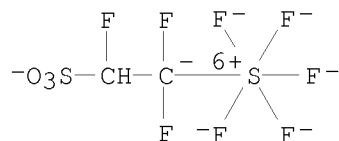
DOCUMENT TYPE: Journal

LANGUAGE: English

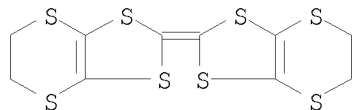
IT 236111-22-1  
 RL: PRP (Properties)  
 (crystal structure, phys. properties and electronic structure of new  
 organic conductor (BEDT-TTF)2SF5CHFCF2SO3)  
 RN 236111-22-1 CAPLUS  
 CN Sulfate(1-), pentafluoro(1,1,2-trifluoro-2-sulfonatoethyl)-, (OC-6-21)-,  
 salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-  
 dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 66946-48-3  
 CMF C10 H8 S8



CM 2  
 CRN 236111-21-0  
 CMF C10 H8 S8 . C2 H F8 O3 S2  
 CM 3  
 CRN 236111-20-9  
 CMF C2 H F8 O3 S2  
 CCI CCS



CM 4  
 CRN 82428-14-6  
 CMF C10 H8 S8  
 CCI RIS



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 100 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:359342 CAPLUS  
 DOCUMENT NUMBER: 135:172294  
 TITLE: Optical studies of the  $\beta'$ -(ET)2SF5RSO3 (R =

CH<sub>2</sub>CF<sub>2</sub>, CHF<sub>2</sub>CF<sub>2</sub> and CHF) system: chemical tuning of the counterion

AUTHOR(S): Olejniczak, I.; Jones, B. R.; Dong, J.; Pigos, J. M.; Zhu, Z.; Garlach, A. D.; Musfeldt, J. L.; Koo, H.-J.; Whangbo, M.-H.; Schlueter, J. A.; Ward, B. H.; Morales, E.; Kini, A. M.; Winter, R. W.; Mohtasham, J.; Gard, G. L.

CORPORATE SOURCE: Inst. Molecular Physics, Polish Acad. Sci., Poznan, 60-179, Pol.

SOURCE: Synthetic Metals (2001), 120(1-3), 785-786  
CODEN: SYMEDZ; ISSN: 0379-6779

PUBLISHER: Elsevier Science S.A.

DOCUMENT TYPE: Journal

LANGUAGE: English

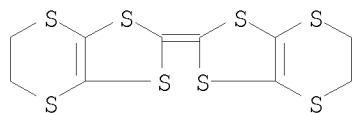
IT 236111-22-1  
RL: PRP (Properties)  
(optical studies of  $\beta''$ -(ET)2SF5RSO<sub>3</sub> system and chemical tuning of counterion)

RN 236111-22-1 CAPLUS

CN Sulfate(1-), pentafluoro(1,1,2-trifluoro-2-sulfonatoethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3  
CMF C10 H8 S8

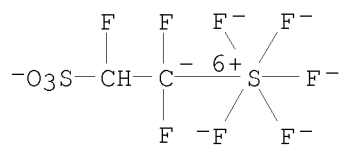


CM 2

CRN 236111-21-0  
CMF C10 H8 S8 . C2 H F8 O3 S2

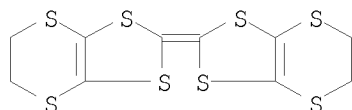
CM 3

CRN 236111-20-9  
CMF C2 H F8 O3 S2  
CCI CCS



CM 4

CRN 82428-14-6  
CMF C10 H8 S8  
CCI RIS



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 101 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:319871 CAPLUS

DOCUMENT NUMBER: 134:336205

TITLE: Drug discharge pump inhibitors

INVENTOR(S): Leger, Roger; Watkins, William John; Zhang, Jason  
Zhijia; Renau, Thomas Eric; Lee, Ving Jack; Ohta,  
Toshiharu; Nakayama, Kiyoshi; Ishida, Yohhei; Ohtsuka,  
Masami; Kawato, Haruko

PATENT ASSIGNEE(S): Microcide Pharmaceuticals, Inc., USA; Daiichi  
Pharmaceutical Co., Ltd.

SOURCE: PCT Int. Appl., 237 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001030757	A1	20010503	WO 2000-JP7565	20001027
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2000079611	A	20010508	AU 2000-79611	20001027
EP 1227084	A1	20020731	EP 2000-970155	20001027
EP 1227084	B1	20051214		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
AT 312820	T	20051215	AT 2000-970155	20001027
EP 1652839	A2	20060503	EP 2005-19514	20001027
EP 1652839	A3	20060705		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
NO 2002001991	A	20020628	NO 2002-1991	20020426
PRIORITY APPLN. INFO.:			US 1999-428466	A 19991028
			JP 2000-326713	A 20001026
			EP 2000-970155	A3 20001027
			WO 2000-JP7565	W 20001027

OTHER SOURCE(S): MARPAT 134:336205

IT 337904-38-8P

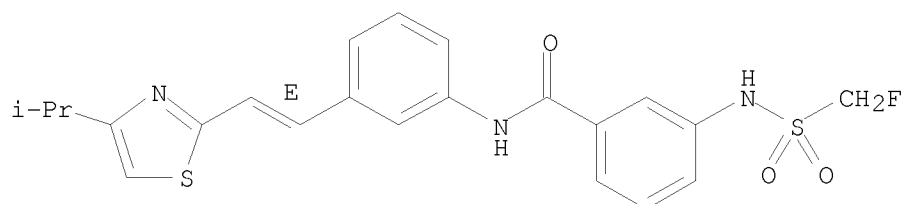
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(drug discharge pump inhibitors as antimicrobials)

RN 337904-38-8 CAPLUS

CN Benzamide, 3-[[[(fluoromethyl)sulfonyl]amino]-N-[3-[(1E)-2-[4-(1-

methylethyl)-2-thiazolyl]ethenyl]phenyl]- (CA INDEX NAME)

Double bond geometry as shown.

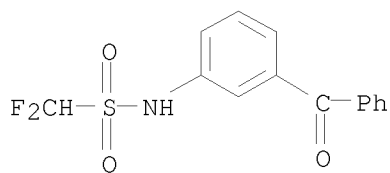


REFERENCE COUNT: 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 102 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2001:167849 CAPLUS  
DOCUMENT NUMBER: 134:217194  
TITLE: Systemic inflammatory markers as diagnostic tools in the prevention of atherosclerotic diseases  
INVENTOR(S): Ridker, Paul; Hennekens, Charles H.  
PATENT ASSIGNEE(S): The Brigham and Women's Hospital, Inc., USA  
SOURCE: PCT Int. Appl., 53 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001015744	A1	20010308	WO 2000-US24251	20000831
WO 2001015744	A9	20020926		
W: AU, CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 7030152	B1	20060418	US 1999-387028	19990831
CA 2381926	A1	20010308	CA 2000-2381926	20000831
AU 2000071103	A	20010326	AU 2000-71103	20000831
AU 782386	B2	20050721		
EP 1212101	A1	20020612	EP 2000-959851	20000831
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
JP 2003508453	T	20030304	JP 2001-520155	20000831
AU 2005225101	A1	20051117	AU 2005-225101	20051021
PRIORITY APPLN. INFO.:			US 1999-387028	A 19990831
			US 1997-41950P	P 19970402
			US 1997-43039P	P 19970402
			US 1998-70894P	P 19980109
			US 1998-54212	A2 19980402
			WO 2000-US24251	W 20000831
IT 22737-01-5,				
RL:	BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)			
	(use of agents and systemic inflammatory markers to predict and inhibit cardiovascular disorders in humans)			
RN 22737-01-5	CAPLUS			
CN	Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)			

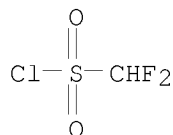




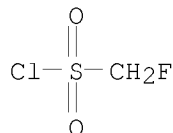
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REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

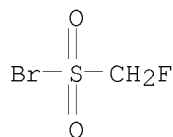
L17 ANSWER 103 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2001:137607 CAPLUS  
 DOCUMENT NUMBER: 134:252430  
 TITLE: Predicting the reactivity of fluorinated compounds with copper using semi-empirical calculations  
 AUTHOR(S): Heaton, C. A.; Miller, A. K.; Powell, R. L.  
 CORPORATE SOURCE: School of Pharmacy and Chemistry, Liverpool John Moores University, Liverpool, L3 3AF, UK  
 SOURCE: Journal of Fluorine Chemistry (2001), 107(1), 1-3  
 CODEN: JFLCAR; ISSN: 0022-1139  
 PUBLISHER: Elsevier Science S.A.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 1512-30-7, Difluoromethanesulfonyl chloride 42497-69-8, Fluoromethanesulfonyl chloride 330850-15-2 330850-16-3  
 RL: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent)  
 (predicting reactivity of fluorinated compds. with copper using semi-empirical calcns.)  
 RN 1512-30-7 CAPLUS  
 CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



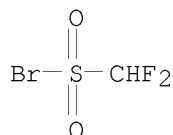
RN 42497-69-8 CAPLUS  
 CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



RN 330850-15-2 CAPLUS  
 CN Methanesulfonyl bromide, 1-fluoro- (CA INDEX NAME)

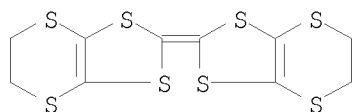


RN 330850-16-3 CAPLUS  
CN Methanesulfonyl bromide, 1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 104 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2001:108597 CAPLUS  
DOCUMENT NUMBER: 134:273915  
TITLE: Charge ordering and antiferromagnetic exchange in layered molecular crystals of the  $\theta$  type  
AUTHOR(S): McKenzie, Ross H.; Merino, J.; Marston, J. B.; Sushkov, O. P.  
CORPORATE SOURCE: Department of Physics, Brown University, Providence, RI, 4072, USA  
SOURCE: Los Alamos National Laboratory, Preprint Archive, Condensed Matter (2001) 1-15, arXiv:cond-mat/0102142, 8 Feb 2001  
CODEN: LNCMFR  
URL: <http://xxx.lanl.gov/pdf/cond-mat/0102142>  
PUBLISHER: Los Alamos National Laboratory  
DOCUMENT TYPE: Preprint  
LANGUAGE: English  
IT 236111-25-4  
RL: PRP (Properties)  
(charge ordering and antiferromagnetic exchange in layered mol. crystals of the  $\theta$  type)  
RN 236111-25-4 CAPLUS  
CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)  
CM 1  
CRN 66946-48-3  
CMF C10 H8 S8

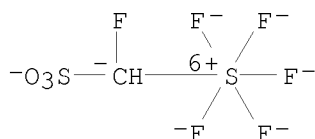


CM 2

CRN 236111-24-3  
CMF C10 H8 S8 . C H F6 O3 S2

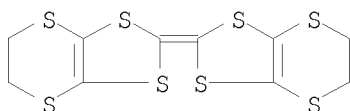
CM 3

CRN 236111-23-2  
CMF C H F6 O3 S2  
CCI CCS



CM 4

CRN 82428-14-6  
CMF C10 H8 S8  
CCI RIS



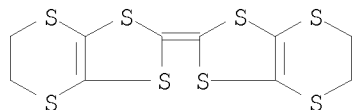
REFERENCE COUNT: 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 105 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2000:909925 CAPLUS  
DOCUMENT NUMBER: 134:155905  
TITLE: Electronic structure of novel cation-radical salts in high magnetic fields  
AUTHOR(S): Brooks, J. S.; Balicas, L.; Storr, K.; Ward, B. H.; Uji, S.; Terashima, T.; Terakura, C.; Schlueter, J. A.; Winter, R. W.; Mohtasham, J.; Gard, G. L.; Papavassiliou, G. C.; Tokumoto, M.  
CORPORATE SOURCE: NHMFL-Physics, Florida State University, Tallahassee, FL, USA  
SOURCE: Los Alamos National Laboratory, Preprint Archive, Condensed Matter (2000) No pp. given, arXiv:cond-mat/0012291, 15 Dec 2000  
CODEN: LNCMFR  
URL: <http://xxx.lanl.gov/pdf/cond-mat/0012291>  
PUBLISHER: Los Alamos National Laboratory  
DOCUMENT TYPE: Preprint  
LANGUAGE: English  
IT 236111-25-4  
RL: PRP (Properties)  
(electronic structure of novel cation-radical salts in high magnetic fields)  
RN 236111-25-4 CAPLUS  
CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3

CMF C10 H8 S8



CM 2

CRN 236111-24-3

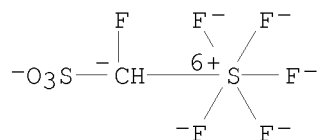
CMF C10 H8 S8 . C H F6 O3 S2

CM 3

CRN 236111-23-2

CMF C H F6 O3 S2

CCI CCS

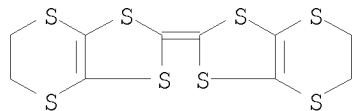


CM 4

CRN 82428-14-6

CMF C10 H8 S8

CCI RIS



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 106 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:763915 CAPLUS

DOCUMENT NUMBER: 134:207687

TITLE: Synthesis of N-(1,2,3,6-tetrahydropyridylidene)fluoroalkanesulfonylamides from reactions of per(poly)fluoroalkanesulfonyl azides with 1,2-dihydropyridines

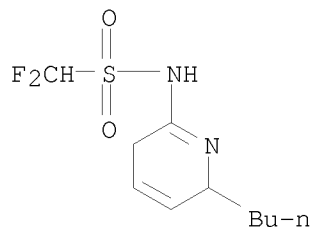
AUTHOR(S): Xu, Y.; Wang, Y.; Zhu, S.; Jia, Y.; Huang, Q.

CORPORATE SOURCE: Shanghai Institute of Organic Chemistry, Chinese Academy of Science, Shanghai, 200032, Peop. Rep. China

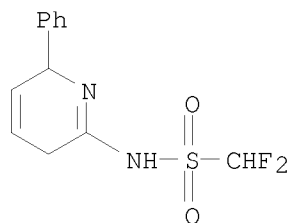
SOURCE: Journal of Fluorine Chemistry (2000), 106(2), 133-138

CODEN: JFLCAR; ISSN: 0022-1139

PUBLISHER: Elsevier Science S.A.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 134:207687  
 IT 328395-50-2P 328395-53-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of N-(tetrahydropyridinylidene)fluoroalkanesulfonamides from  
 fluoroalkanesulfonyl azides and dihydropyridines)  
 RN 328395-50-2 CAPLUS  
 CN Methanesulfonamide, N-(6-butyl-3,6-dihydro-2-pyridinyl)-1,1-difluoro- (CA  
 INDEX NAME)



RN 328395-53-5 CAPLUS  
 CN Methanesulfonamide, N-(3,6-dihydro-6-phenyl-2-pyridinyl)-1,1-difluoro-  
 (CA INDEX NAME)



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 107 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:712931 CAPLUS  
 DOCUMENT NUMBER: 133:292308  
 TITLE: Herbicidal mixtures containing pyrimidine derivatives  
 for paddy fields  
 INVENTOR(S): Kobayashi, Kazunori; Ono, Yoshimasa; Miyazawa,  
 Takeshige  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000281513	A	20001010	JP 1999-83204	19990326
PRIORITY APPLN. INFO.:			JP 1999-83204	19990326
OTHER SOURCE(S): MARPAT 133:292308				
IT 300666-63-1 300666-65-3 300666-67-5				

300666-69-7 300666-70-0 300666-74-4  
 300666-75-5 300666-77-7 300666-81-3  
 300666-83-5 300666-84-6 300666-87-9  
 300666-89-1 300666-90-4 300666-92-6  
 300666-93-7 300666-94-8 300666-95-9  
 300666-96-0

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic herbicides for paddy fields)

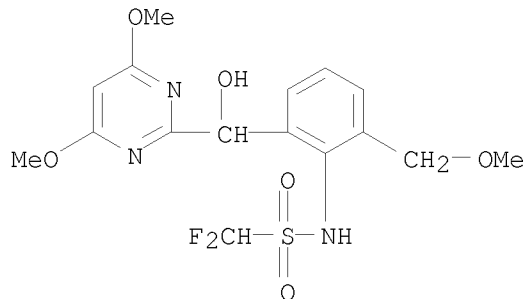
RN 300666-63-1 CAPLUS

CN Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

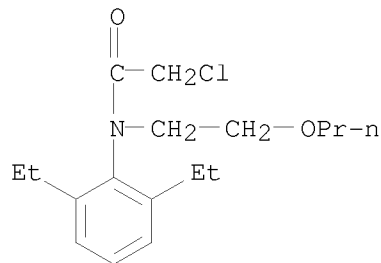
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 51218-49-6

CMF C17 H26 Cl N O2



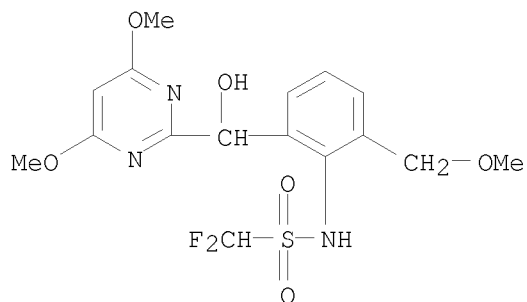
RN 300666-65-3 CAPLUS

CN Acetamide, N-(butoxymethyl)-2-chloro-N-(2,6-diethylphenyl)-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

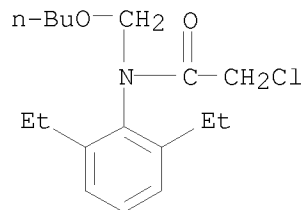
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 23184-66-9

CMF C17 H26 Cl N O2



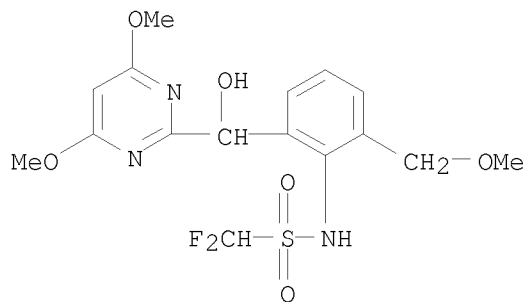
RN 300666-67-5 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]-1-(4-methylphenyl)ethanone (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

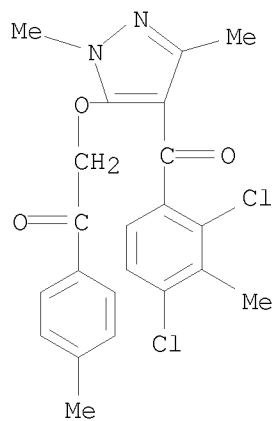
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 82692-44-2

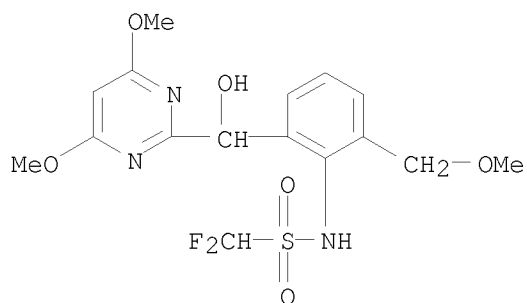
CMF C22 H20 Cl2 N2 O3



RN 300666-69-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with (2,4-dichlorophenyl) [1,3-dimethyl-5-[[ (4-methylphenyl) sulfonyl]oxy]-1H-pyrazol-4-yl]methanone (9CI) (CA INDEX NAME)

CM 1

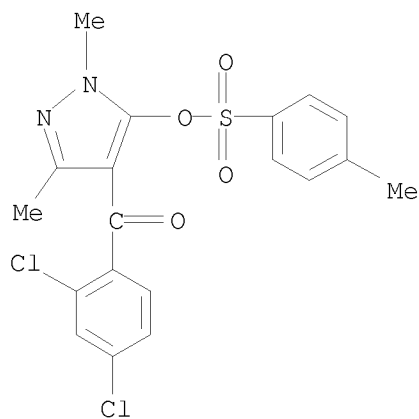
CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

CRN 58011-68-0  
 CMF C19 H16 Cl2 N2 O4 S

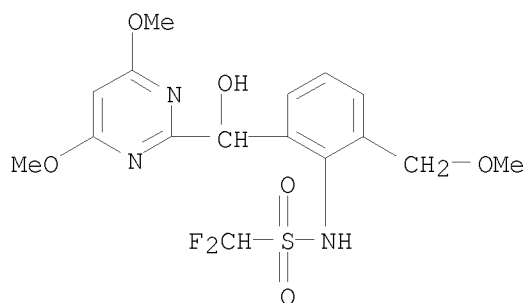




RN 300666-70-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with  
 N-(1,2-dimethylpropyl)-N'-ethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine  
 (9CI) (CA INDEX NAME)

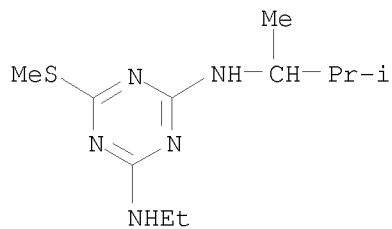
CM 1

CRN 221205-90-9  
 CMF C16 H19 F2 N3 O6 S



CM 2

CRN 22936-75-0  
 CMF C11 H21 N5 S



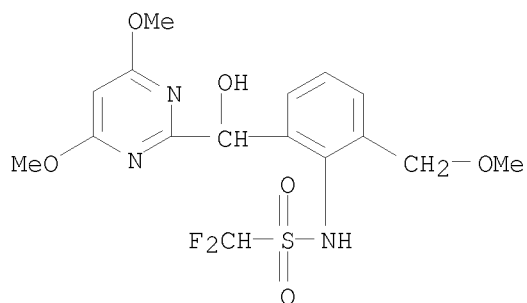
RN 300666-74-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-

(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with  
N-(4-methylphenyl)-N'-(1-methyl-1-phenylethyl)urea (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

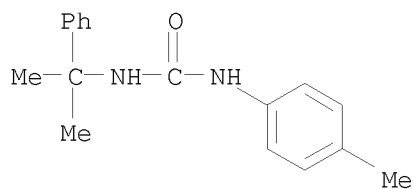
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 42609-52-9

CMF C17 H20 N2 O



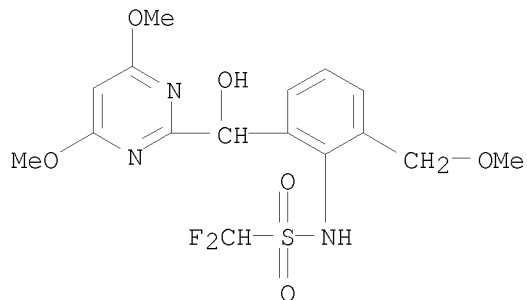
RN 300666-75-5 CAPLUS

CN Acetamide, 2-(2-benzothiazolyloxy)-N-methyl-N-phenyl-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

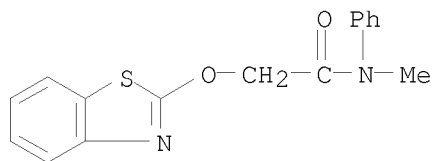
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 73250-68-7

CMF C16 H14 N2 O2 S



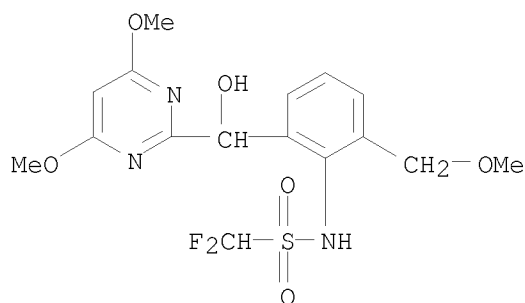
RN 300666-77-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-[4-chloro-5-(cyclopentyloxy)-2-fluorophenyl]-5-(1-methylethylidene)-2,4-oxazolidinedione (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

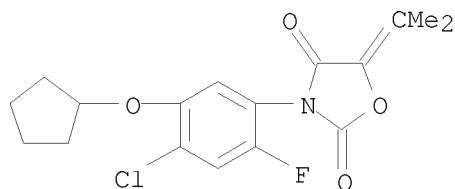
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 110956-75-7

CMF C17 H17 Cl F N O4

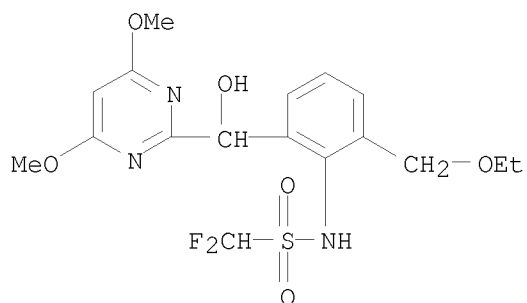


RN 300666-81-3 CAPLUS

CN Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(ethoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

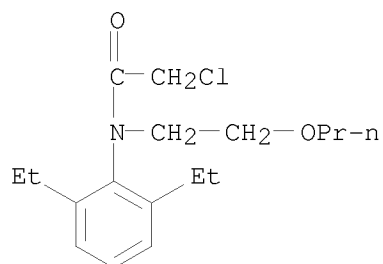
CM 1

CRN 300666-80-2  
 CMF C17 H21 F2 N3 O6 S



CM 2

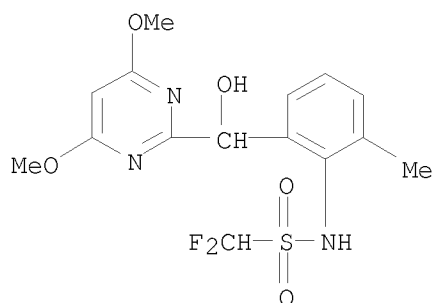
CRN 51218-49-6  
 CMF C17 H26 Cl1 N O2



RN 300666-83-5 CAPLUS  
 CN Acetamide, N-(butoxymethyl)-2-chloro-N-(2,6-diethylphenyl)-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-methylphenyl]-1,1-  
 difluoromethanesulfonamide (9CI) (CA INDEX NAME)

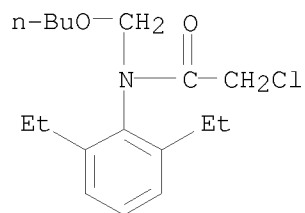
CM 1

CRN 300666-82-4  
 CMF C15 H17 F2 N3 O5 S



CM 2

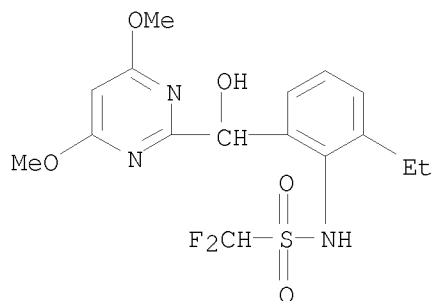
CRN 23184-66-9  
CMF C17 H26 Cl N O2



RN 300666-84-6 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-ethylphenyl]-1,1-difluoro-, mixt. with N,N'-diethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine (9CI) (CA INDEX NAME)

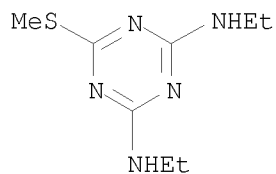
CM 1

CRN 257871-29-7  
CMF C16 H19 F2 N3 O5 S



CM 2

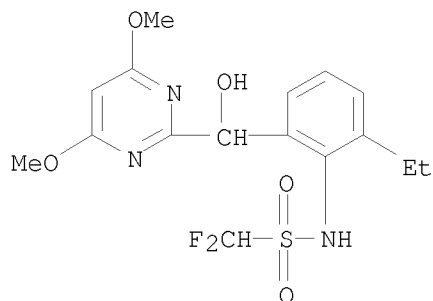
CRN 1014-70-6  
CMF C8 H15 N5 S



RN 300666-87-9 CAPLUS  
CN Carbamothioic acid, diethyl-, S-[(4-chlorophenyl)methyl] ester, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-ethylphenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

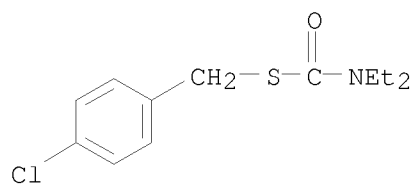
CM 1

CRN 257871-29-7  
CMF C16 H19 F2 N3 O5 S



CM 2

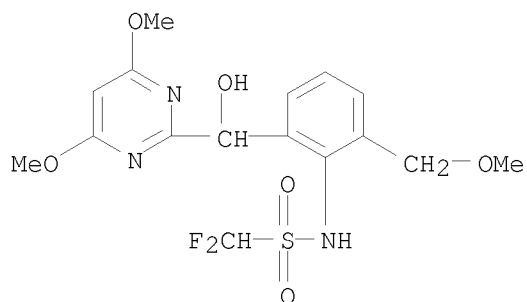
CRN 28249-77-6  
CMF C12 H16 Cl N O S



RN 300666-89-1 CAPLUS  
CN Butanamide, 2-bromo-3,3-dimethyl-N-(1-methyl-1-phenylethyl)-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

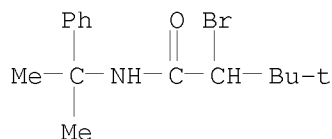
CM 1

CRN 221205-90-9  
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 74712-19-9  
CMF C15 H22 Br N O



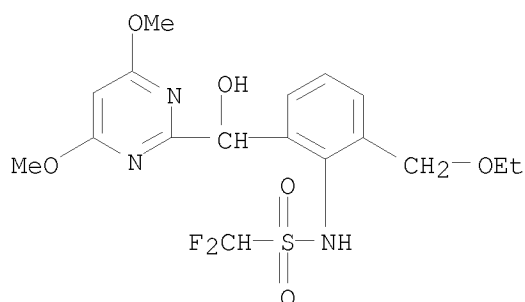
RN 300666-90-4 CAPLUS

CN Acetamide, 2-(2-benzothiazolyloxy)-N-methyl-N-phenyl-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(ethoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 300666-80-2

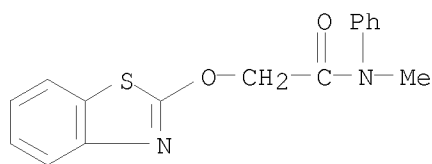
CMF C17 H21 F2 N3 O6 S



CM 2

CRN 73250-68-7

CMF C16 H14 N2 O2 S



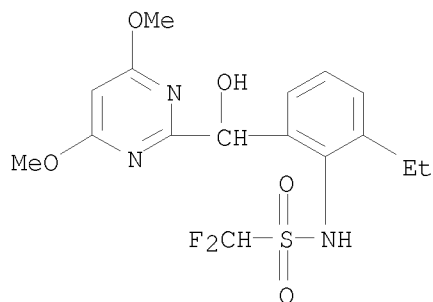
RN 300666-92-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-  
ethylphenyl]-1,1-difluoro-, mixt. with  
2-[[4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]-1-  
(4-methylphenyl)ethanone (9CI) (CA INDEX NAME)

CM 1

CRN 257871-29-7

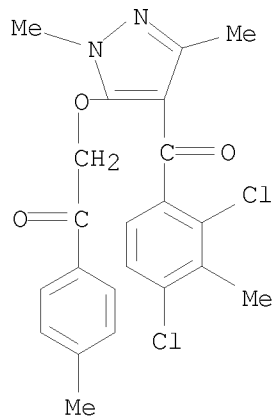
CMF C16 H19 F2 N3 O5 S



CM 2

CRN 82692-44-2

CMF C22 H20 Cl2 N2 O3



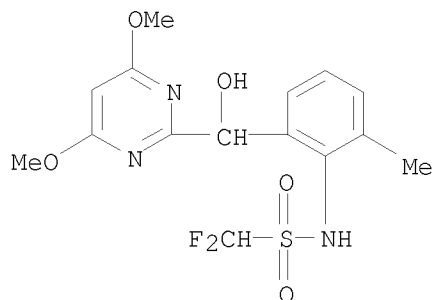
RN 300666-93-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-methylphenyl]-1,1-difluoro-, mixt. with (2,4-dichlorophenyl)[1,3-dimethyl-5-[[ (4-methylphenyl)sulfonyl]oxy]-1H-pyrazol-4-yl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 300666-82-4

CMF C15 H17 F2 N3 O5 S

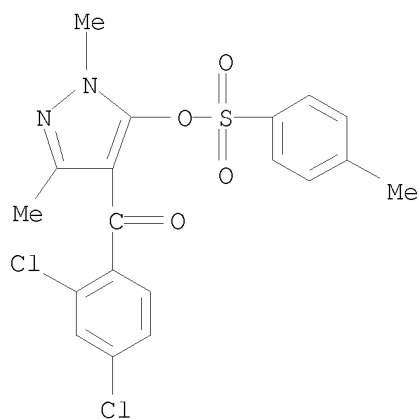




CM 2

CRN 58011-68-0

CMF C19 H16 Cl2 N2 O4 S



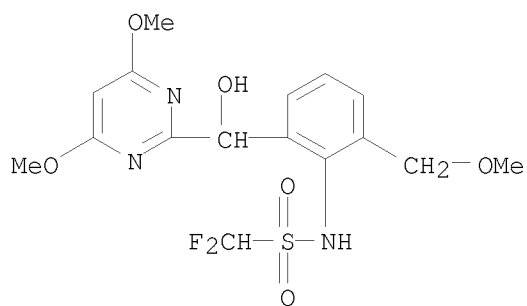
RN 300666-94-8 CAPLUS

CN Butanoic acid, 4-(4-chloro-2-methylphenoxy)-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-  
1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221205-90-9

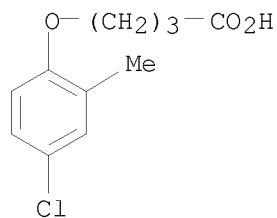
CMF C16 H19 F2 N3 O6 S



CM 2

CRN 94-81-5

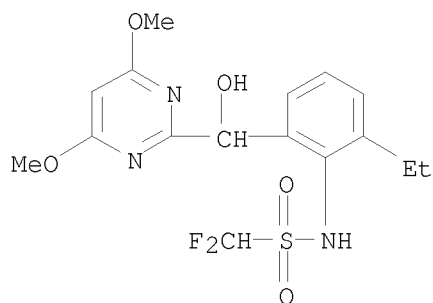
CMF C11 H13 Cl O3



RN 300666-95-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-ethylphenyl]-1,1-difluoro-, mixt. with 3-[4-chloro-5-(cyclopentyloxy)-2-fluorophenyl]-5-(1-methylethylidene)-2,4-oxazolidinedione (9CI) (CA INDEX NAME)

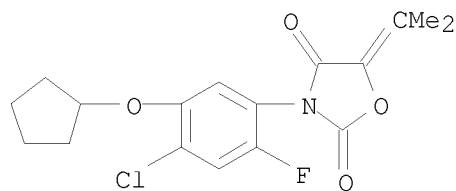
CM 1

CRN 257871-29-7  
 CMF C16 H19 F2 N3 O5 S



CM 2

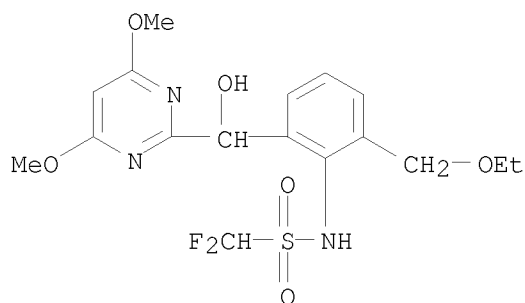
CRN 110956-75-7  
 CMF C17 H17 Cl F N O4



RN 300666-96-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(ethoxymethyl)phenyl]-1,1-difluoro-, mixt. with 3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide (9CI) (CA INDEX NAME)

CM 1

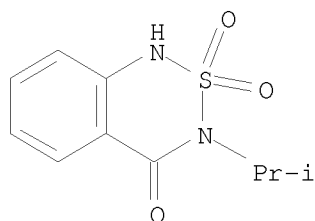
CRN 300666-80-2  
 CMF C17 H21 F2 N3 O6 S



CM 2

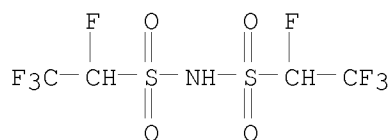
CRN 25057-89-0

CMF C10 H12 N2 O3 S



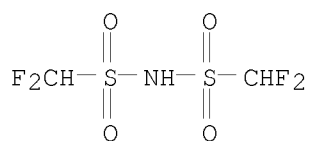
L17 ANSWER 108 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:663597 CAPLUS  
 DOCUMENT NUMBER: 133:269422  
 TITLE: Nonaqueous electrolyte electric battery  
 INVENTOR(S): Uesugi, Makoto; Kamino, Maruo; Nakane, Ikuo; Fukuoka, Satoru  
 PATENT ASSIGNEE(S): Sanyo Electric Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000260400	A	20000922	JP 1999-63722	19990310
PRIORITY APPLN. INFO.:			JP 1999-63722	19990310
IT 297162-93-7 297162-95-9 297162-96-0 297162-97-1				
RL: MOA (Modifier or additive use); USES (Uses) (elec. battery having nonaq. electrolyte containing)				
RN 297162-93-7 CAPLUS				
CN Ethanesulfonamide, 1,2,2,2-tetrafluoro-N-[(1,2,2,2-tetrafluoroethyl)sulfonyl]-, lithium salt (1:1) (CA INDEX NAME)				



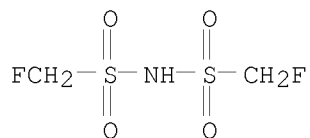
● Li

RN 297162-95-9 CAPLUS  
 CN Methanesulfonamide, N-[(difluoromethyl)sulfonyl]-1,1-difluoro-, lithium salt (1:1) (CA INDEX NAME)



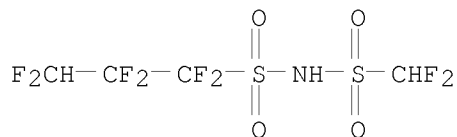
● Li

RN 297162-96-0 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[(fluoromethyl)sulfonyl]-, lithium salt (1:1) (CA INDEX NAME)



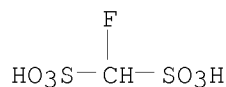
● Li

RN 297162-97-1 CAPLUS  
 CN 1-Propanesulfonamide, N-[(difluoromethyl)sulfonyl]-1,1,2,2,3,3-hexafluoro-, lithium salt (1:1) (CA INDEX NAME)



● Li

ACCESSION NUMBER: 2000:653103 CAPLUS  
 DOCUMENT NUMBER: 133:343785  
 TITLE: Barium, potassium, and  
 tris(ethane-1,2-diamine)nickel(II)  
 fluoroalkanedisulfonates and the x-ray crystal  
 structures of  $K_2(O_3S)_2CHF$ ,  $K_2(O_3S)_2CF_2$ ,  
 $K_2(O_3S)_2(CF_2)_3 \cdot H_2O$ , and  $[Nien_3][(O_3S)_2(CF_2)_n]$   
 ( $n = 1, 3$ )  
 AUTHOR(S): Abrahams, Carmel T.; Blackshaw, Rachel; Deacon, Glen  
 B.; Gatehouse, Bryan M.; Henkel, Gerald; Herkelmann,  
 Ralf; Juschke, Ralf; Philosof, Anna; Rieland, Petra;  
 Sartori, Peter  
 CORPORATE SOURCE: Chemistry Department, Monash University, Clayton,  
 Victoria, Australia  
 SOURCE: Zeitschrift fuer Anorganische und Allgemeine Chemie  
 (2000), 626(9), 2012-2019  
 CODEN: ZAACAB; ISSN: 0044-2313  
 PUBLISHER: Wiley-VCH Verlag GmbH  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 133:343785  
 IT 38346-19-9P, Potassium fluoromethanedisulfonate  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation, crystal structure, and use in crystallization of cationic  
 nickel  
 complex)  
 RN 38346-19-9 CAPLUS  
 CN Methanedisulfonic acid, 1-fluoro-, potassium salt (1:2) (CA INDEX NAME)



● 2 K

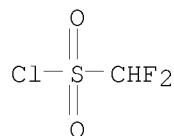
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 110 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:644993 CAPLUS  
 DOCUMENT NUMBER: 133:309596  
 TITLE: Gas phase structures and conformations of  
 trifluoromethanesulfonyl fluoride,  $CF_3SO_2F$ ,  
 difluoromethanesulfonyl fluoride,  $CHF_2SO_2F$ , and  
 difluoromethanesulfonyl chloride,  $CHF_2SO_2Cl$   
 AUTHOR(S): Haist, R.; Trautner, F.; Mohtasham, J.; Winter, R.;  
 Gard, G. L.; Oberhammer, H.  
 CORPORATE SOURCE: Institut fur Physikalische und Theoretische Chemie,  
 Universitat Tubingen, Tubingen, 72076, Germany  
 SOURCE: Journal of Molecular Structure (2000), 550-551, 59-65  
 CODEN: JMOSB4; ISSN: 0022-2860  
 PUBLISHER: Elsevier Science B.V.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 1512-30-7, Difluoromethanesulfonyl chloride 1554-47-8,  
 Difluoromethanesulfonyl fluoride  
 RL: PRP (Properties)

(gas phase structures and conformations of fluoromethanesulfonyl  
fluorides and chlorides)

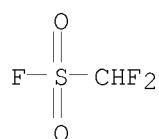
RN 1512-30-7 CAPLUS

CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 1554-47-8 CAPLUS

CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 111 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:634954 CAPLUS

DOCUMENT NUMBER: 133:218841

TITLE: Mixed herbicide compositions

INVENTOR(S): Kobayashi, Kazunori; Ono, Yoshimasa; Miyazawa,  
Takeshige

PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2000247814	A	20000912	JP 1999-53557	19990302

PRIORITY APPLN. INFO.: JP 1999-53557 19990302

OTHER SOURCE(S): MARPAT 133:218841

IT 291291-31-1 291291-32-2 291291-33-3

291291-34-4 291291-35-5 291291-36-6

291291-38-8 291291-40-2 291291-42-4

291291-44-6 291291-46-8 291291-47-9

291291-48-0

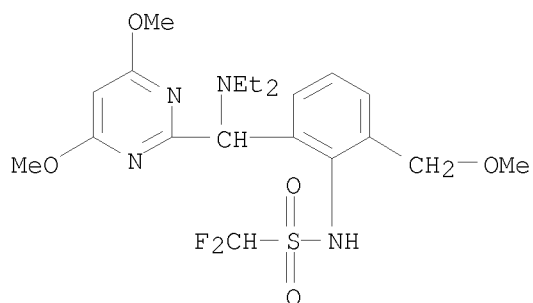
RL: AGR (Agricultural use); BPR (Biological process); BSU (Biological  
study, unclassified); BIOL (Biological study); PROC (Process); USES (Uses)  
(mixed sulfonylanilide herbicide compns.)

RN 291291-31-1 CAPLUS

CN Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)-, mixt. with  
N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-  
(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
NAME)

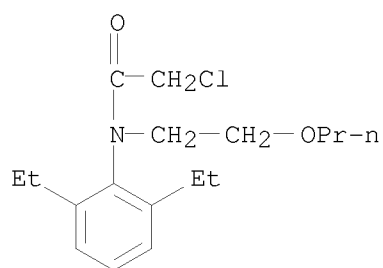
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CRN 221204-49-5  
 CMF C20 H28 F2 N4 O5 S



CM 2

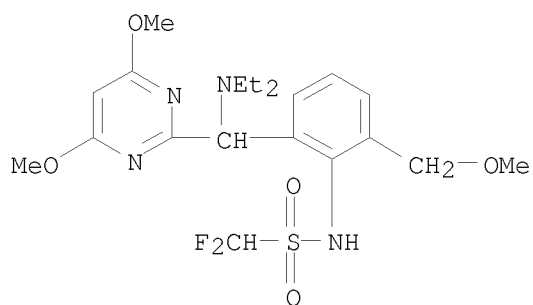
CRN 51218-49-6  
 CMF C17 H26 Cl N O2



RN 291291-32-2 CAPLUS  
 CN Acetamide, N-(butoxymethyl)-2-chloro-N-(2,6-diethylphenyl)-, mixt. with  
 N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-  
 (methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
 NAME)

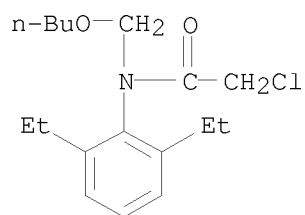
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CM 2

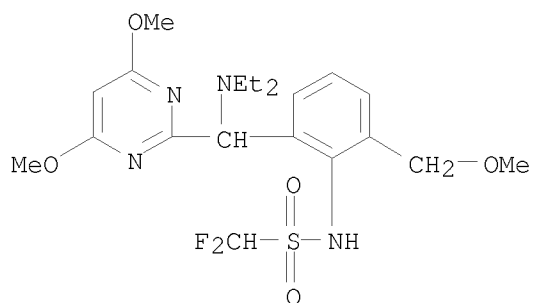
CRN 23184-66-9  
 CMF C17 H26 Cl N O2



RN 291291-33-3 CAPLUS  
 CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[[4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]-1-(4-methylphenyl)ethanone (9CI) (CA INDEX NAME)

CM 1

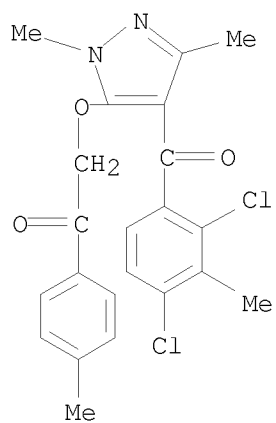
CRN 221204-49-5  
 CMF C20 H28 F2 N4 O5 S



CM 2

CRN 82692-44-2  
 CMF C22 H20 Cl2 N2 O3

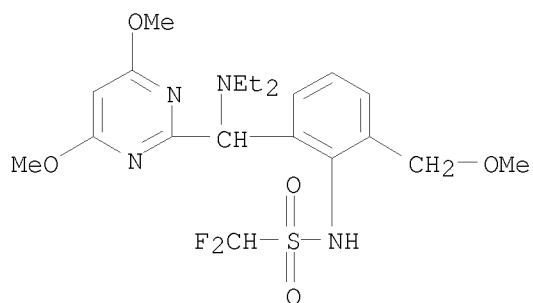




RN 291291-34-4 CAPLUS  
 CN Propanamide, 2-(2,4-dichloro-3-methylphenoxy)-N-phenyl-, mixt. with  
 N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
 NAME)

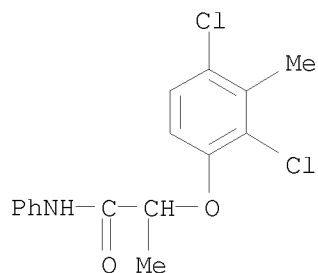
CM 1

CRN 221204-49-5  
 CMF C20 H28 F2 N4 O5 S



CM 2

CRN 84496-56-0  
 CMF C16 H15 Cl2 N O2

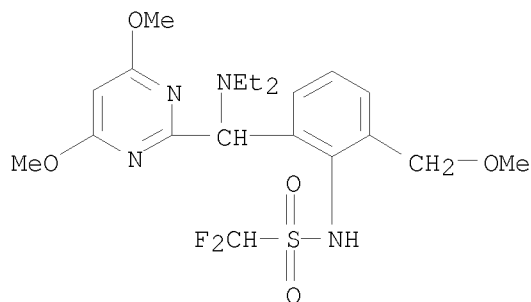


RN 291291-35-5 CAPLUS  
 CN Butanamide, 2-bromo-3,3-dimethyl-N-(1-methyl-1-phenylethyl)-, mixt. with  
 N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
 NAME)

CM 1

CRN 221204-49-5

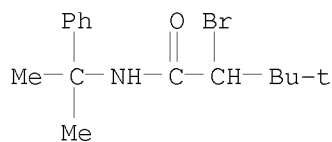
CMF C20 H28 F2 N4 O5 S



CM 2

CRN 74712-19-9

CMF C15 H22 Br N O



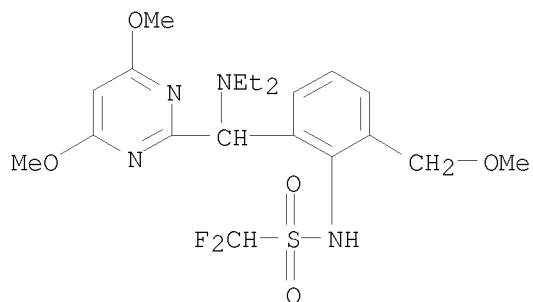
RN 291291-36-6 CAPLUS

CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-, mixt. with  
 3-[4-chloro-5-(cyclopentyloxy)-2-fluorophenyl]-5-(1-methylethylidene)-2,4-oxazolidinedione (9CI) (CA INDEX NAME)

CM 1

CRN 221204-49-5

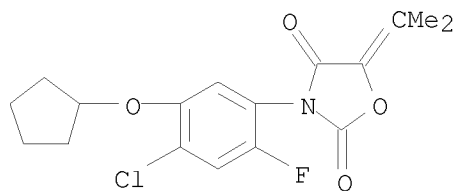
CMF C20 H28 F2 N4 O5 S



CM 2

CRN 110956-75-7

CMF C17 H17 Cl F N O4



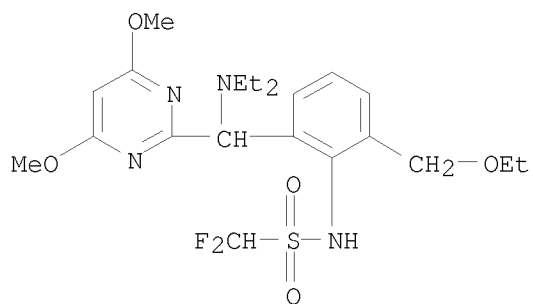
RN 291291-38-8 CAPLUS

CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(ethoxymethyl)phenyl]-1,1-difluoro-, mixt. with 2-[[4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]-1-(4-methylphenyl)ethanone (9CI) (CA INDEX NAME)

CM 1

CRN 221204-32-6

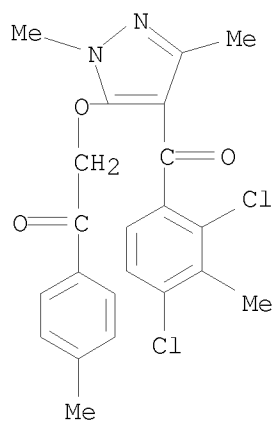
CMF C21 H30 F2 N4 O5 S



CM 2

CRN 82692-44-2

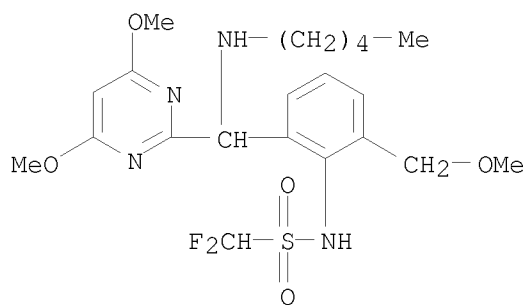
CMF C22 H20 Cl2 N2 O3



RN 291291-40-2 CAPLUS  
 CN Propanamide, 2-(2,4-dichloro-3-methylphenoxy)-N-phenyl-, mixt. with  
 N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(pentylamino)methyl]-6-  
 (methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
 NAME)

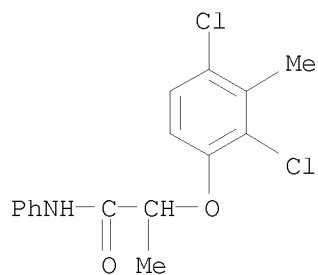
CM 1

CRN 221204-59-7  
 CMF C21 H30 F2 N4 O5 S



CM 2

CRN 84496-56-0  
 CMF C16 H15 Cl2 N O2



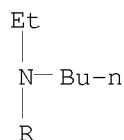
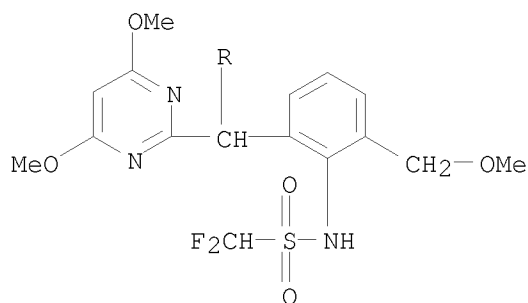
RN 291291-42-4 CAPLUS

CN Butanamide, 2-bromo-3,3-dimethyl-N-(1-methyl-1-phenylethyl)-, mixt. with  
N-[2-[(butylethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
NAME)

CM 1

CRN 221204-50-8

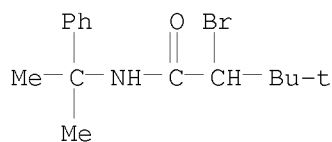
CMF C22 H32 F2 N4 O5 S



CM 2

CRN 74712-19-9

CMF C15 H22 Br N O



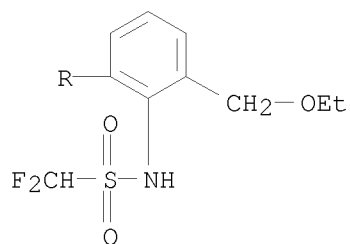
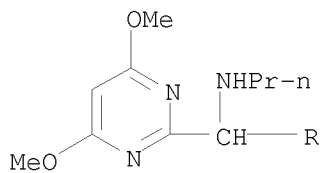
RN 291291-44-6 CAPLUS

CN Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-(2-propoxyethyl)-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(propylamino)methyl]-6-(ethoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
NAME)

CM 1

CRN 221204-33-7

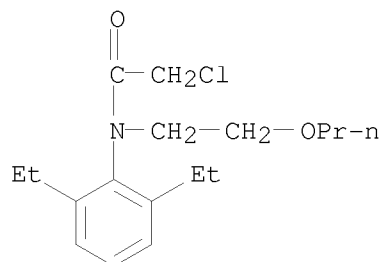
CMF C20 H28 F2 N4 O5 S



CM 2

CRN 51218-49-6

CMF C17 H26 Cl N O2



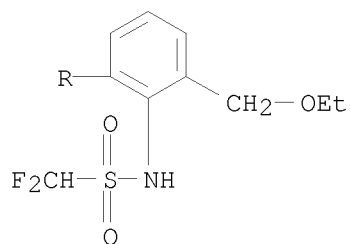
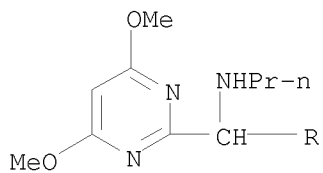
RN 291291-46-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(propylamino)methyl]-6-(ethoxymethyl)phenyl]-1,1-difluoro-,  
mixt. with 2-[[4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]-1-(4-methylphenyl)ethanone (9CI) (CA INDEX NAME)

CM 1

CRN 221204-33-7

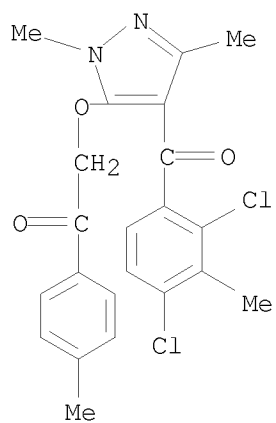
CMF C20 H28 F2 N4 O5 S



CM 2

CRN 82692-44-2

CMF C22 H20 Cl2 N2 O3



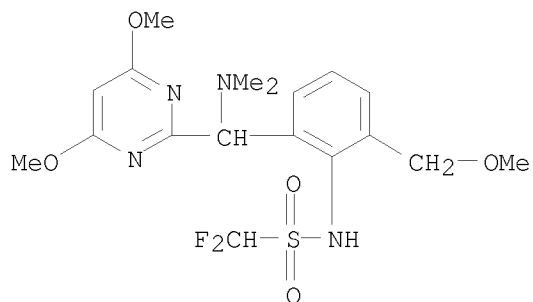
RN 291291-47-9 CAPLUS

CN Propanamide, 2-(2,4-dichloro-3-methylphenoxy)-N-phenyl-, mixt. with  
N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dimethylamino)methyl]-6-(  
(methoxymethyl)phenyl)]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX  
NAME)

CM 1

CRN 221204-54-2

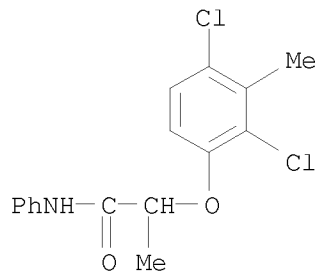
CMF C18 H24 F2 N4 O5 S



CM 2

CRN 84496-56-0

CMF C16 H15 Cl2 N O2



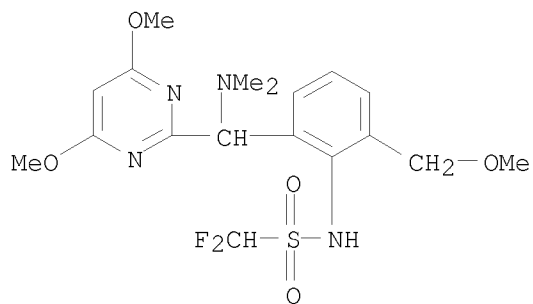
RN 291291-48-0 CAPLUS

CN Butanamide, 2-bromo-3,3-dimethyl-N-(1-methyl-1-phenylethyl)-, mixt. with N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dimethylamino)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 221204-54-2

CMF C18 H24 F2 N4 O5 S

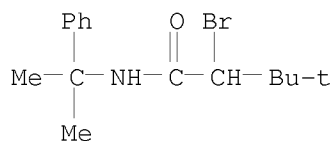


CM 2

CRN 74712-19-9



CMF C15 H22 Br N O



L17 ANSWER 112 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:597057 CAPLUS

DOCUMENT NUMBER: 133:288174

TITLE: Optical Spectra and Electronic Band Structure Calculations of  $\beta''$ -(ET)2SF5RSO3 (R = CH2CF2, CHF2, and CHF): Changing Electronic Properties by Chemical Tuning of the Counterion

AUTHOR(S): Jones, B. R.; Olejniczak, I.; Dong, J.; Pigos, J. M.; Zhu, Z. T.; Garlach, A. D.; Musfeldt, J. L.; Koo, H.-J.; Whangbo, M.-H.; Schlueter, J. A.; Ward, B. H.; Morales, E.; Kini, A. M.; Winter, R. W.; Mohtasham, J.; Gard, G. L.

CORPORATE SOURCE: Department of Chemistry, State University of New York at Binghamton, Binghamton, NY, 13902-6016, USA

SOURCE: Chemistry of Materials (2000), 12(8), 2490-2495  
CODEN: CMATEX; ISSN: 0897-4756

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 236111-22-1

RL: PEP (Physical, engineering or chemical process); PRP (Properties);

PROC (Process)

(optical spectra and electronic band structure calcns. of  $\beta''$ -(ET)2SF5RSO3 and changing electronic properties by chemical tuning of counterion)

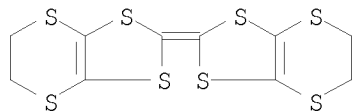
RN 236111-22-1 CAPLUS

CN Sulfate(1-), pentafluoro(1,1,2-trifluoro-2-sulfonatoethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3

CMF C10 H8 S8



CM 2

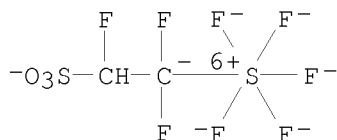
CRN 236111-21-0

CMF C10 H8 S8 . C2 H F8 O3 S2

CM 3

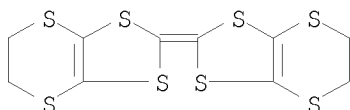
CRN 236111-20-9

CMF C2 H F8 O3 S2  
CCI CCS



CM 4

CRN 82428-14-6  
CMF C10 H8 S8  
CCI RIS



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 113 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2000:542317 CAPLUS  
DOCUMENT NUMBER: 133:120327  
TITLE: Preparation and herbicidal activity of  
1-phenylpyrazole derivatives  
INVENTOR(S): Ueno, Ryohei; Takabe, Fumiaki; Abe, Tetsuya; Izuki,  
Yoshinori; Miyazaki, Masahiro; Yamaji, Michihiro;  
Kawasaki, Hiroshi  
PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan; Ihara  
Chemical Industry Co., Ltd.  
SOURCE: Jpn. Kokai Tokkyo Koho, 90 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000219679	A	20000808	JP 1999-172169	19990618
PRIORITY APPLN. INFO.:			JP 1998-189617	A 19980622

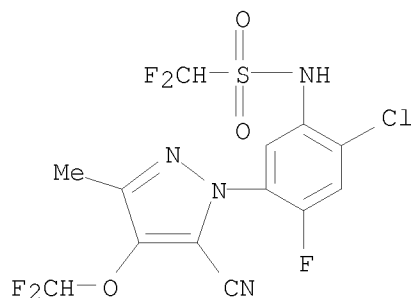
OTHER SOURCE(S): MARPAT 133:120327

IT 285989-91-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and herbicidal activity of 1-phenylpyrazole derivs.)

RN 285989-91-5 CAPLUS

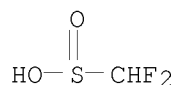
CN Methanesulfonamide, N-[2-chloro-5-[5-cyano-4-(difluoromethoxy)-3-methyl-1H-pyrazol-1-yl]-4-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 114 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:462509 CAPLUS  
 DOCUMENT NUMBER: 133:43231  
 TITLE: Method of preparing fluorine-containing alkyl  
 sulfinate from fluorine-containing alkylchloromethane  
 INVENTOR(S): Chen, Qingyun; Long, Zhengyu  
 PATENT ASSIGNEE(S): Shanghai Inst. of Organic Chemistry, Chinese Academy  
 of Sciences, Peop. Rep. China  
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 7 pp.  
 CODEN: CNXXEV  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Chinese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

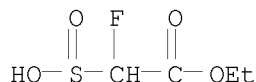
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1221735	A	19990707	CN 1998-122021	19981120
CN 1120833	C	20030910		

PRIORITY APPLN. INFO.: CN 1998-122021 19981120  
 OTHER SOURCE(S): CASREACT 133:43231; MARPAT 133:43231  
 IT 275818-95-6P 275818-96-7P  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP  
 (Preparation)  
 (preparation of fluorine-containing alkylsulfonates from fluorine-containing  
 alkylchloromethanes)  
 RN 275818-95-6 CAPLUS  
 CN Methanesulfinic acid, 1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 275818-96-7 CAPLUS  
 CN Acetic acid, 2-fluoro-2-sulfinic-, 1-ethyl ester, sodium salt (1:1) (CA  
 INDEX NAME)



● Na

L17 ANSWER 115 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:117258 CAPLUS

DOCUMENT NUMBER: 132:173395

TITLE: Radiation-sensitive composition for chemically amplified photoresist

INVENTOR(S): Pawlowski, Georg; Okazaki, Hiroshi; Kinoshita, Yoshiaki; Tsugama, Naoko; Hishida, Aritaka; Ma, Xiao-ming; Yamaguchi, Yuko

PATENT ASSIGNEE(S): Clariant International Ltd., Switz.

SOURCE: PCT Int. Appl., 133 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000008525	A1	20000217	WO 1999-JP4304	19990809
W: CN, JP, KR, SG, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
TW 250379	B	20060301	TW 1999-88113373	19990805
EP 1033624	A1	20000906	EP 1999-935116	19990809
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CN 1159623	C	20040728	CN 1999-801309	19990809
US 6358665	B1	20020319	US 2000-529371	20000703
PRIORITY APPLN. INFO.:			JP 1998-225029	A 19980807
			JP 1999-87036	A 19990329
			WO 1999-JP4304	W 19990809

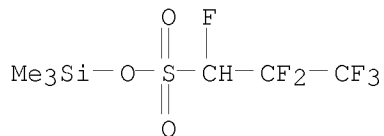
IT 263871-53-0

RL: RCT (Reactant); RACT (Reactant or reagent)

(radiation-sensitive composition for chemical amplified photoresist)

RN 263871-53-0 CAPLUS

CN Methanesulfonic acid, 1-fluoro-1-(1,1,2,2,2-pentafluoroethyl)-, trimethylsilyl ester (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 116 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:98529 CAPLUS

DOCUMENT NUMBER: 132:151829  
 TITLE: Di- or tri-fluoromethanesulfonyl anilide derivatives,  
 process for the preparation of them and herbicides  
 containing them as the active ingredient  
 INVENTOR(S): Yoshimura, Takumi; Nakatani, Masao; Tamaru, Masatoshi;  
 Danjo, Takeshi; Ono, Yukimasa; Yanagisawa, Katsutada  
 PATENT ASSIGNEE(S): Ihara Chemical Industry Co., Ltd., Japan; Kumiai  
 Chemical Industry Co., Ltd.  
 SOURCE: PCT Int. Appl., 43 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000006553	A1	20000210	WO 1999-JP4043	19990728
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2000044546	A	20000215	JP 1998-214635	19980729
JP 3632947	B2	20050330		
JP 2000063360	A	20000229	JP 1998-235438	19980821
JP 3697075	B2	20050921		
AU 9949289	A	20000221	AU 1999-49289	19990728
AU 750129	B2	20020711		
EP 1101760	A1	20010523	EP 1999-933128	19990728
EP 1101760	B1	20031015		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9912494	A	20020409	BR 1999-12494	19990728
EP 1361218	A1	20031112	EP 2003-5151	19990728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
AT 252088	T	20031115	AT 1999-933128	19990728
CN 1138763	C	20040218	CN 1999-808740	19990728
RU 2225861	C2	20040320	RU 2001-105533	19990728
ES 2209466	T3	20040616	ES 1999-933128	19990728
TW 221471	B	20041001	TW 1999-88112867	19990729
US 6458748	B1	20021001	US 2001-744209	20010122
PRIORITY APPLN. INFO.:			JP 1998-214635	A 19980729
			JP 1998-235438	A 19980821
			EP 1999-933128	A3 19990728
			WO 1999-JP4043	W 19990728

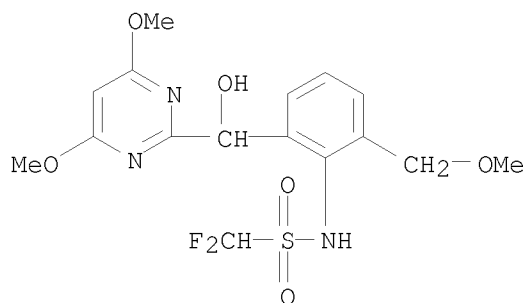
OTHER SOURCE(S): MARPAT 132:151829

IT 221205-90-9P 257871-28-6P 257871-29-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of N-(di- or tri-fluoromethanesulfonyl)aniline derivs. as herbicides)

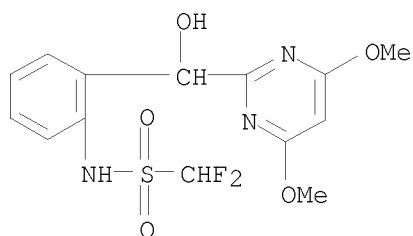
RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



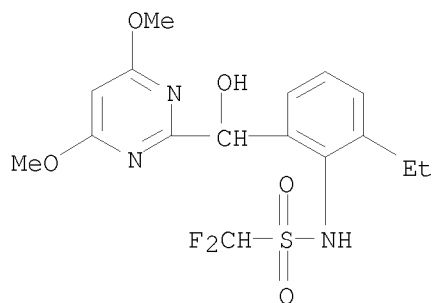
RN 257871-28-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 257871-29-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-ethylphenyl]-1,1-difluoro- (CA INDEX NAME)



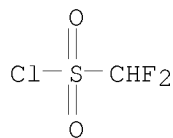
IT 1512-30-7, Difluoromethanesulfonyl chloride

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of N-(di- or tri-fluoromethanesulfonyl)aniline derivs. as herbicides)

RN 1512-30-7 CAPLUS

CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)

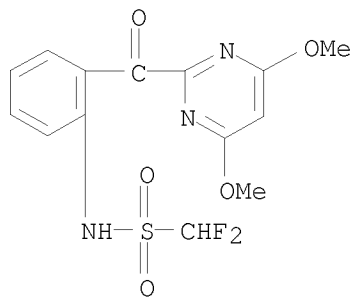


IT 257871-13-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of N-(di- or tri-fluoromethanesulfonyl)aniline derivs. as  
herbicides)

RN 257871-13-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)carbonyl]phenyl]-  
1,1-difluoro- (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 117 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:57959 CAPLUS

DOCUMENT NUMBER: 132:215146

TITLE: Comparison of the Crystal and Electronic Structures of  
Three 2:1 Salts of the Organic Donor Molecule BEDT-TTF  
with Pentafluorothiomethylsulfonate Anions SF<sub>5</sub>CH<sub>2</sub>SO<sub>3</sub><sup>-</sup>,  
SF<sub>5</sub>CHFSO<sub>3</sub><sup>-</sup>, and SF<sub>5</sub>CF<sub>2</sub>SO<sub>3</sub><sup>-</sup>

AUTHOR(S): Ward, Brian H.; Schlueter, John A.; Geiser, Urs; Wang,  
H. Hau; Morales, Emilio; Parakka, James P.; Thomas,  
Seddon Y.; Williams, Jack M.; Nixon, Paul G.; Winter,  
R. W.; Gard, Gary L.; Koo, H.-J.; Whangbo, M.-H.

CORPORATE SOURCE: Chemistry and Materials Science Divisions, Argonne  
National Laboratory, Argonne, IL, 60439-4831, USA

SOURCE: Chemistry of Materials (2000), 12(2), 343-351

CODEN: CMATEX; ISSN: 0897-4756

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 236111-25-4P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(crystal and electronic structures of three 2:1 salts of organic donor  
mol. BEDT-TTF with pentafluorothiomethylsulfonate anions SF<sub>5</sub>CH<sub>2</sub>SO<sub>3</sub><sup>-</sup>,  
SF<sub>5</sub>CHFSO<sub>3</sub><sup>-</sup>, and SF<sub>5</sub>CF<sub>2</sub>SO<sub>3</sub><sup>-</sup>)

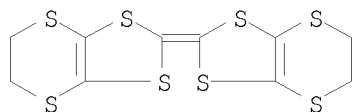
RN 236111-25-4 CAPLUS

CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, (OC-6-21)-, salt with  
2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-  
dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3

CMF C10 H8 S8



CM 2

CRN 236111-24-3

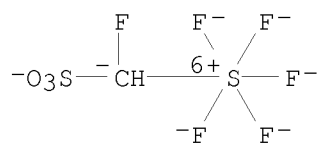
CMF C10 H8 S8 . C H F6 O3 S2

CM 3

CRN 236111-23-2

CMF C H F6 O3 S2

CCI CCS

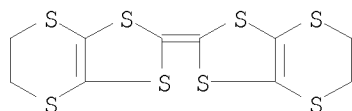


CM 4

CRN 82428-14-6

CMF C10 H8 S8

CCI RIS

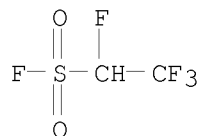


REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 118 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:2612 CAPLUS  
 DOCUMENT NUMBER: 132:114383  
 TITLE: Comparative electrochemical fluorination of ethanesulfonyl chloride and fluoride  
 AUTHOR(S): Ignat'ev, N.; Kucherina, A.; Sartori, P.  
 CORPORATE SOURCE: Laboratory of the Electrochemistry of Organoelement Compounds, Institute of Organic Chemistry, Ukrainian National Academy of Sciences, Kiev, 253094, Ukraine  
 SOURCE: Acta Chemica Scandinavica (1999), 53(12), 1110-1116  
 CODEN: ACHSE7; ISSN: 0904-213X  
 PUBLISHER: Munksgaard International Publishers Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 2127-74-4, 1,2,2,2-Tetrafluoroethanesulfonyl fluoride  
 RL: FMU (Formation, unclassified); PRP (Properties); FORM (Formation, nonpreparative)  
 (formation by electrochem. fluorination of ethanesulfonyl chloride)



RN 2127-74-4 CAPLUS  
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 119 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:680591 CAPLUS

DOCUMENT NUMBER: 132:27825

TITLE: Optical Properties of  $\beta$ '-(ET)2SF5RSO3 (R = CH<sub>2</sub>CF<sub>2</sub>, CHF<sub>2</sub>CF<sub>2</sub>): Changing Physical Properties by Chemical Tuning of the Counterion

AUTHOR(S): Olejniczak, I.; Jones, B. R.; Zhu, Z.; Dong, J.; Musfeldt, J. L.; Schlueter, J. A.; Morales, E.; Geiser, U.; Nixon, P. G.; Winter, R. W.; Gard, G. L.

CORPORATE SOURCE: Department of Chemistry, State University of New York, Binghamton, NY, 13902-6016, USA

SOURCE: Chemistry of Materials (1999), 11(11), 3160-3165  
CODEN: CMATEX; ISSN: 0897-4756

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 236111-22-1

RL: PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)

(optical and elec. properties of  $\beta$ '-(ET)2SF5RSO3 (R = CH<sub>2</sub>CF<sub>2</sub>, CHF<sub>2</sub>CF<sub>2</sub>) and changing phys. properties by chemical tuning of counterion)

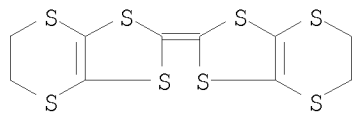
RN 236111-22-1 CAPLUS

CN Sulfate(1-), pentafluoro(1,1,2-trifluoro-2-sulfonatoethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3

CMF C10 H8 S8



CM 2

CRN 236111-21-0

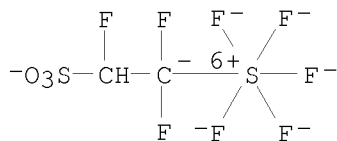
CMF C10 H8 S8 . C2 H F8 O3 S2

CM 3

CRN 236111-20-9

CMF C2 H F8 O3 S2

CCI CCS

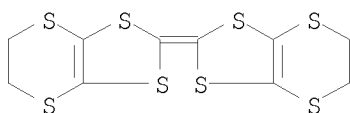


CM 4

CRN 82428-14-6

CMF C10 H8 S8

CCI RIS

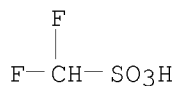


REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 120 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1999:462937 CAPLUS  
DOCUMENT NUMBER: 131:88992  
TITLE: Manufacture of semiconductive sponge rolls  
INVENTOR(S): Sonobe, Saburo; Onuki, Akio  
PATENT ASSIGNEE(S): Kinyosha K. K., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11198250	A	19990727	JP 1998-5983	19980114

PRIORITY APPLN. INFO.: JP 1998-5983 19980114  
IT 175649-93-1  
RL: DEV (Device component use); MOA (Modifier or additive use); USES  
(Uses)  
(manufacture of semiconductive sponge rolls with uniform fine cell structure  
and reduced variation of volume resistivity)  
RN 175649-93-1 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, lithium salt (1:1) (CA INDEX NAME)



● Li

L17 ANSWER 121 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:456352 CAPLUS

DOCUMENT NUMBER: 131:152167

TITLE: Novel sulfonate containing ET based synmetals

AUTHOR(S): Wang, H. Hau; Geiser, Urs; Schlueter, John A.; Ward, Brian H.; Parakka, James P.; Kini, Aravinda M.; O'Malley, Jennifer L.; Thomas, Seddon Y.; Morales, Emilio; Dudek, James D.; Williams, Jack M.; Gard, Gary L.

CORPORATE SOURCE: Chemistry and Materials Science Divisions, Argonne National Laboratory, Argonne, IL, 60439, USA

SOURCE: Synthetic Metals (1999), 102(1-3), 1666-1669

CODEN: SYMEDZ; ISSN: 0379-6779

PUBLISHER: Elsevier Science S.A.

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 236111-22-1P 236111-25-4P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(properties of electrocrystd. BEDT-TTF sulfonates)

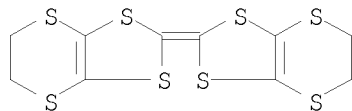
RN 236111-22-1 CAPLUS

CN Sulfate(1-), pentafluoro(1,1,2-trifluoro-2-sulfonatoethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3

CMF C10 H8 S8



CM 2

CRN 236111-21-0

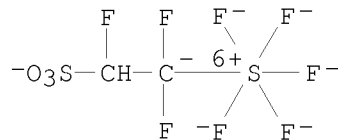
CMF C10 H8 S8 . C2 H F8 O3 S2

CM 3

CRN 236111-20-9

CMF C2 H F8 O3 S2

CCI CCS

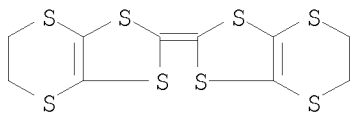


CM 4

CRN 82428-14-6

CMF C10 H8 S8

CCI RIS



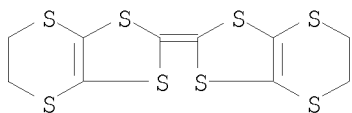
RN 236111-25-4 CAPLUS

CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, (OC-6-21)-, salt with 2-(5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin-2-ylidene)-5,6-dihydro-1,3-dithiolo[4,5-b][1,4]dithiin (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 66946-48-3

CMF C10 H8 S8



CM 2

CRN 236111-24-3

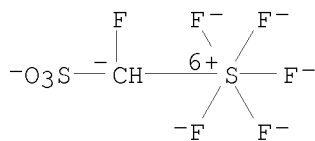
CMF C10 H8 S8 . C H F6 O3 S2

CM 3

CRN 236111-23-2

CMF C H F6 O3 S2

CCI CCS

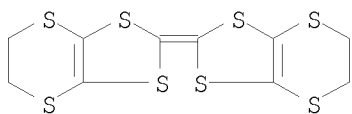


CM 4

CRN 82428-14-6

CMF C10 H8 S8

CCI RIS



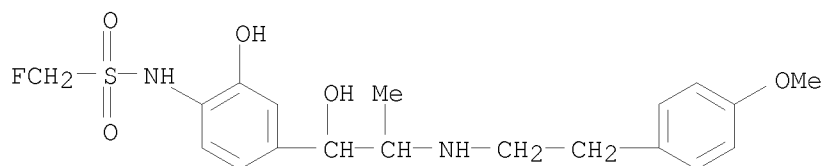
REFERENCE COUNT:

13

THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 122 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1999:166517 CAPLUS  
 DOCUMENT NUMBER: 130:205147  
 TITLE: Use of  $\beta$ 2-adrenoceptor agonists for the treatment of scoliosis  
 INVENTOR(S): Etlinger, Joseph D.; Zeman, Richard J.  
 PATENT ASSIGNEE(S): New York Medical College, USA  
 SOURCE: PCT Int. Appl., 30 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9909966	A1	19990304	WO 1998-US12864	19980618
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 6015837	A	20000118	US 1997-920018	19970826
AU 9879820	A	19990316	AU 1998-79820	19980618
PRIORITY APPLN. INFO.:			US 1997-920018	A 19970826
			WO 1998-US12864	W 19980618
IT 220997-14-8, R 804				
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (use of $\beta$ 2-adrenoceptor agonists for treatment of scoliosis)				
RN 220997-14-8 CAPLUS				
CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-4-[1-hydroxy-2-[[2-(4-methoxyphenyl)ethyl]amino]propyl]phenyl]- (CA INDEX NAME)				



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 123 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1999:147774 CAPLUS  
 DOCUMENT NUMBER: 130:223289  
 TITLE: Preparation of sulfonanilide moiety containing pyrimidine derivatives as herbicides  
 INVENTOR(S): Yoshimura, Isao; Miyazaki, Masahiro; Suzuki, Senji; Nakaya, Masao; Tamaru, Masatoshi; Ono, Yoshimasa; Ida, Tomohisa; Yanagisawa, Katsutada; Sadohara, Hideo  
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan; Ihara Chemical Industry Co., Ltd.  
 SOURCE: Jpn. Kokai Tokkyo Koho, 57 pp.

DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

CODEN: JKXXAF

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11060562	A	19990302	JP 1998-173980	19980605
PRIORITY APPLN. INFO.:			JP 1997-169454	A 19970611

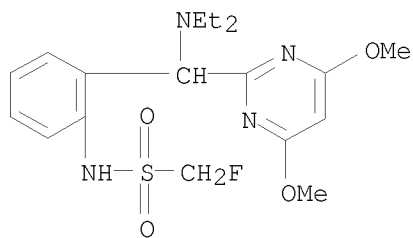
OTHER SOURCE(S): MARPAT 130:223289

IT 221203-43-6P 221203-44-7P 221203-45-8P  
 221203-46-9P 221203-47-0P 221203-48-1P  
 221203-50-5P 221203-51-6P 221203-52-7P  
 221203-53-8P 221203-54-9P 221203-55-0P  
 221203-56-1P 221203-57-2P 221203-58-3P  
 221203-59-4P 221203-60-7P 221203-61-8P  
 221203-62-9P 221203-63-0P 221203-64-1P  
 221203-65-2P 221203-66-3P 221203-67-4P  
 221203-68-5P 221203-69-6P 221203-70-9P  
 221203-71-0P 221203-72-1P 221203-73-2P  
 221203-74-3P 221203-75-4P 221203-76-5P  
 221203-77-6P 221203-78-7P 221203-79-8P  
 221203-80-1P 221203-81-2P 221203-82-3P  
 221203-83-4P 221203-84-5P 221203-85-6P  
 221203-86-7P 221203-87-8P 221203-88-9P  
 221203-89-0P 221203-90-3P 221203-91-4P  
 221203-92-5P 221203-93-6P 221203-94-7P  
 221203-95-8P 221203-96-9P 221203-97-0P  
 221203-98-1P 221203-99-2P 221204-00-8P  
 221204-01-9P 221204-02-0P 221204-03-1P  
 221204-04-2P 221204-05-3P 221204-06-4P  
 221204-08-6P 221204-09-7P 221204-11-1P  
 221204-13-3P 221204-14-4P 221204-15-5P  
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 221205-80-7P 221205-81-8P 221205-82-9P  
 221205-83-0P 221205-84-1P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of sulfonanilide moiety containing pyrimidine derivs. as herbicides)

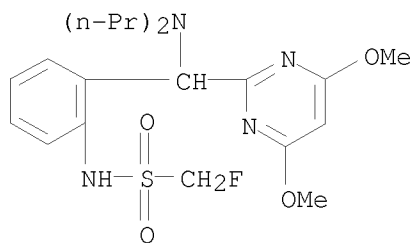
RN 221203-43-6 CAPLUS

CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1-fluoro- (CA INDEX NAME)



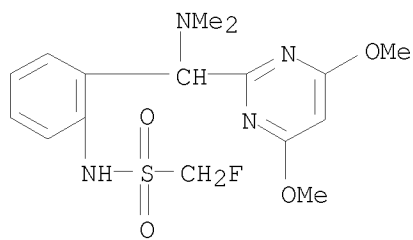
RN 221203-44-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dipropylamino)methyl]phenyl]-1-fluoro- (CA INDEX NAME)



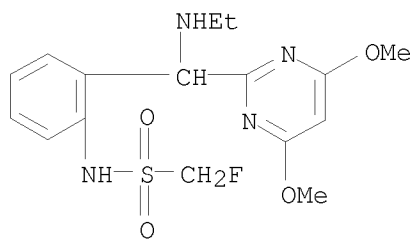
RN 221203-45-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dimethylamino)methyl]phenyl]-1-fluoro- (CA INDEX NAME)



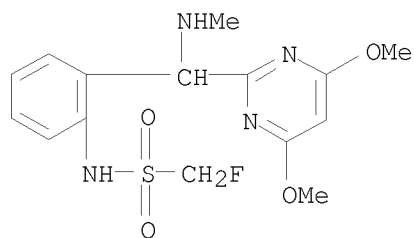
RN 221203-46-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylamino)methyl]phenyl]-1-fluoro- (CA INDEX NAME)



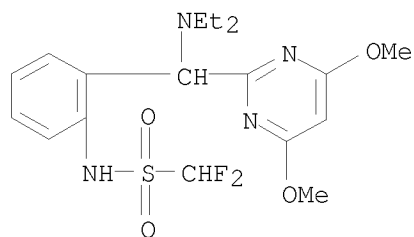
RN 221203-47-0 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylamino)methyl]phenyl]-1-fluoro- (CA INDEX NAME)



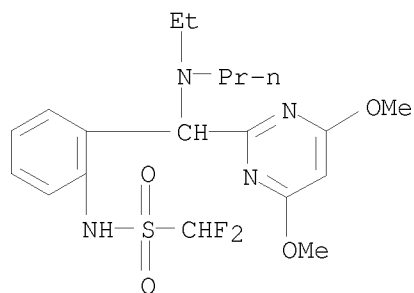
RN 221203-48-1 CAPLUS

CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221203-50-5 CAPLUS

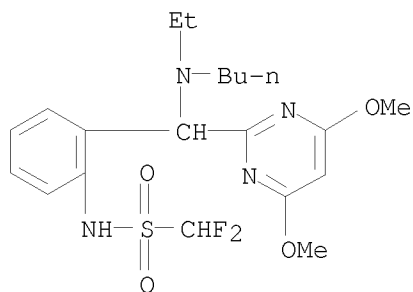
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylpropylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



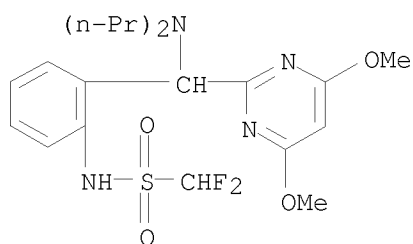
RN 221203-51-6 CAPLUS

CN Methanesulfonamide, N-[2-[(butylethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)

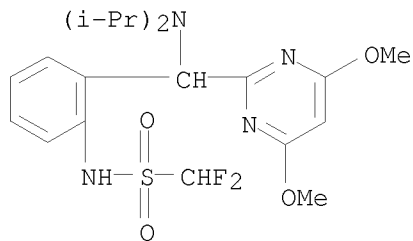




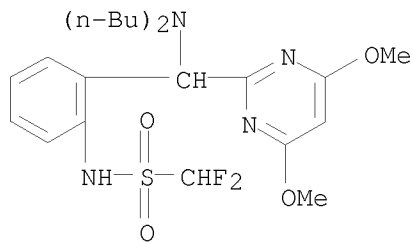
RN 221203-52-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dipropylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221203-53-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[[bis(1-methylethyl)amino](4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)

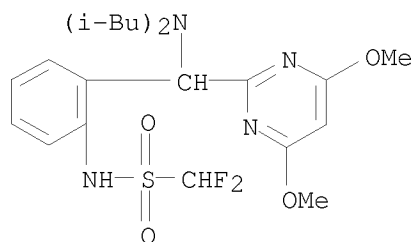


RN 221203-54-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(dibutylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



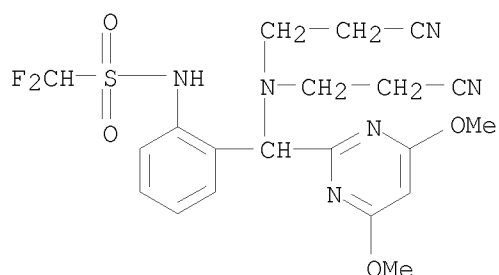
RN 221203-55-0 CAPLUS

CN Methanesulfonamide, N-[2-[[bis(2-methylpropyl)amino](4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



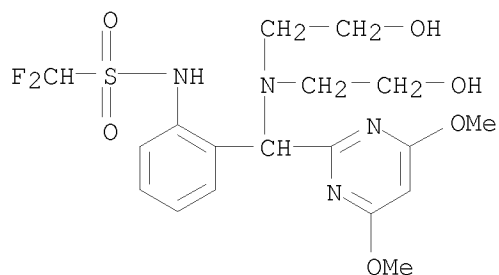
RN 221203-56-1 CAPLUS

CN Methanesulfonamide, N-[2-[[bis(2-cyanoethyl)amino](4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



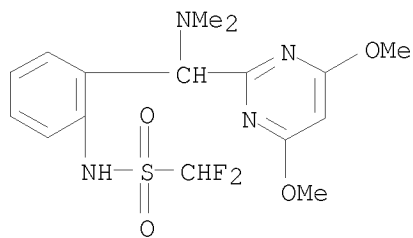
RN 221203-57-2 CAPLUS

CN Methanesulfonamide, N-[2-[[bis(2-hydroxyethyl)amino](4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)

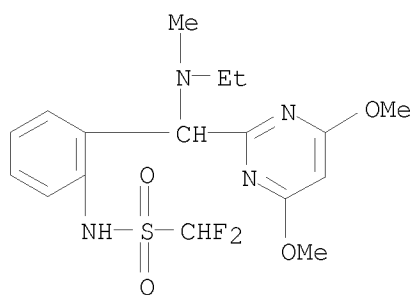


RN 221203-58-3 CAPLUS

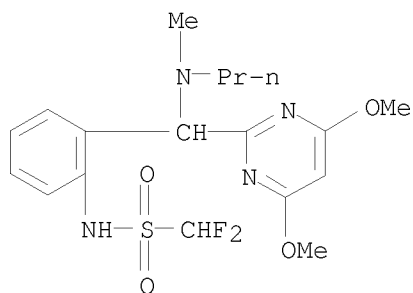
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dimethylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



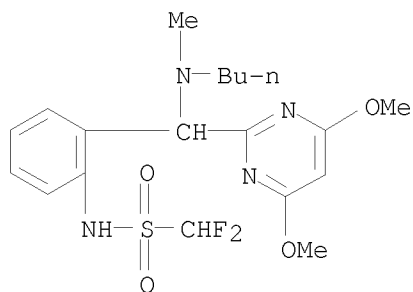
RN 221203-59-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylmethylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



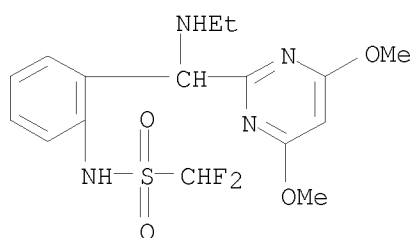
RN 221203-60-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylpropylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



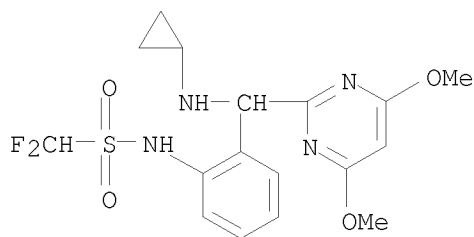
RN 221203-61-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(butylmethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



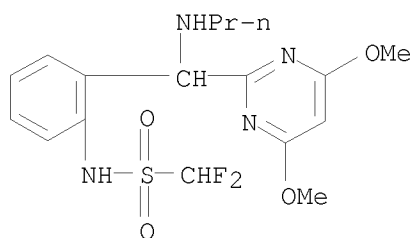
RN 221203-62-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



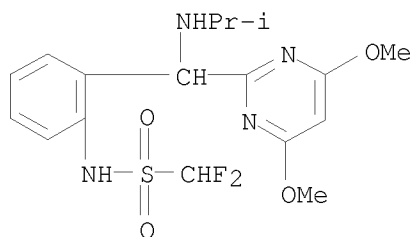
RN 221203-63-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(cyclopropylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



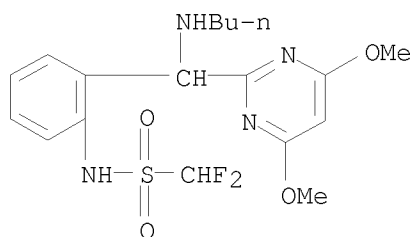
RN 221203-64-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(propylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



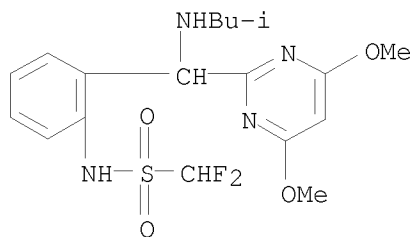
RN 221203-65-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(1-methylethyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



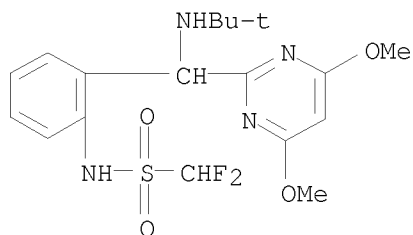
RN 221203-66-3 CAPLUS  
 CN Methanesulfonamide, N-[2-[(butylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



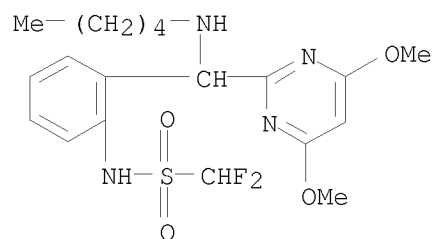
RN 221203-67-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(2-methylpropyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221203-68-5 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(1,1-dimethylethyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)

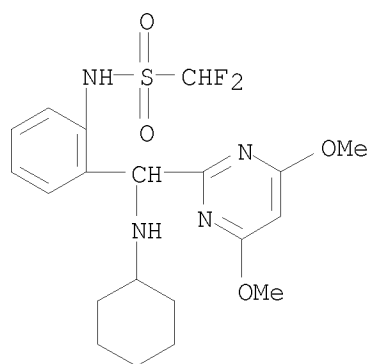


RN 221203-69-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(pentylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



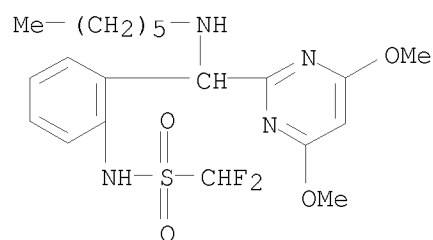
RN 221203-70-9 CAPLUS

CN Methanesulfonamide, N-[2-[(cyclohexylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



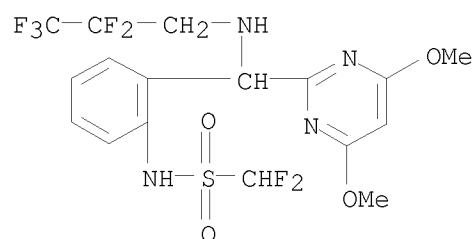
RN 221203-71-0 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(hexylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



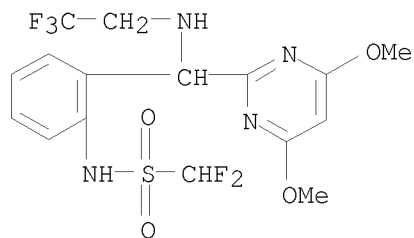
RN 221203-72-1 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(2,2,3,3,3-pentafluoropropyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



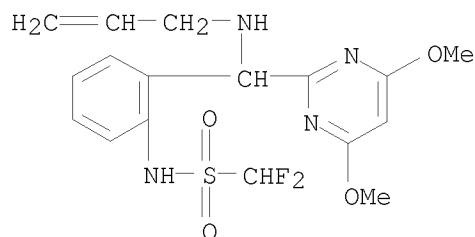
RN 221203-73-2 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)](2,2,2-trifluoroethyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



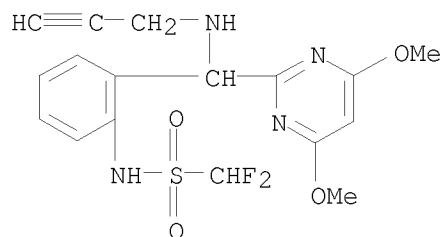
RN 221203-74-3 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)](2-propen-1-ylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



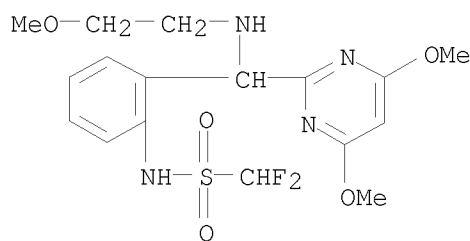
RN 221203-75-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)](2-propyn-1-ylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221203-76-5 CAPLUS

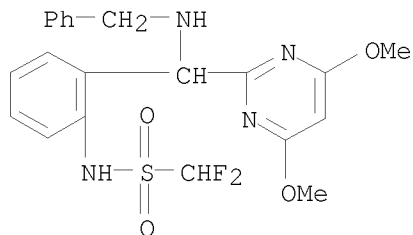
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)](2-methoxyethyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



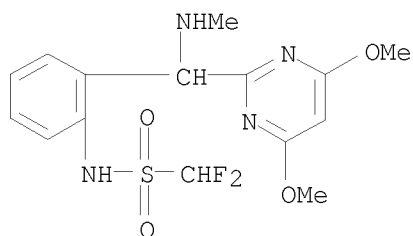
RN 221203-77-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)](phenylmethyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)

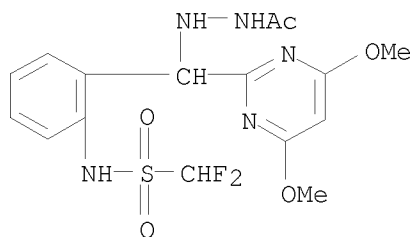
NAME)



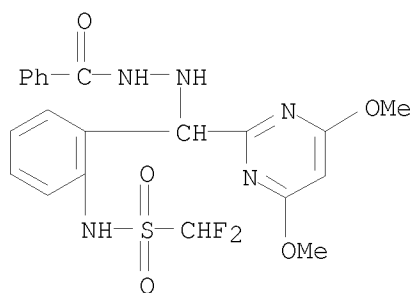
RN 221203-78-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221203-79-8 CAPLUS  
 CN Acetic acid, 2-[[2-[[[(difluoromethyl)sulfonyl]amino]phenyl](4,6-dimethoxy-2-pyrimidinyl)methyl]hydrazide (CA INDEX NAME)



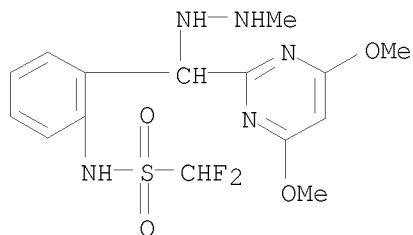
RN 221203-80-1 CAPLUS  
 CN Benzoic acid, 2-[[2-[[[(difluoromethyl)sulfonyl]amino]phenyl](4,6-dimethoxy-2-pyrimidinyl)methyl]hydrazide (CA INDEX NAME)



RN 221203-81-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro-

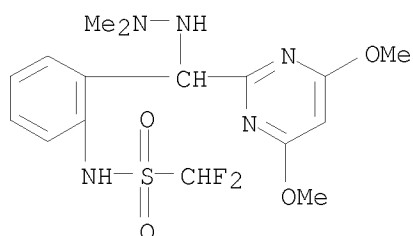


methylhydrazinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



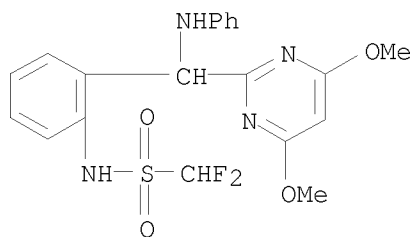
RN 221203-82-3 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2,2-dimethylhydrazinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



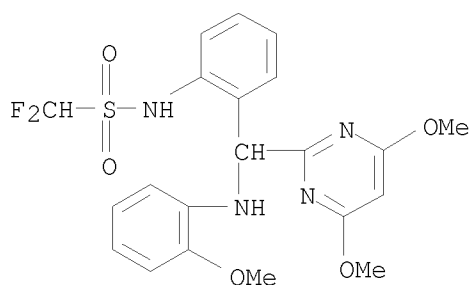
RN 221203-83-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(phenylamino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221203-84-5 CAPLUS

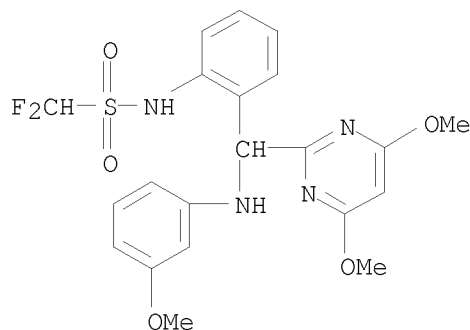
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(2-methoxyphenyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221203-85-6 CAPLUS

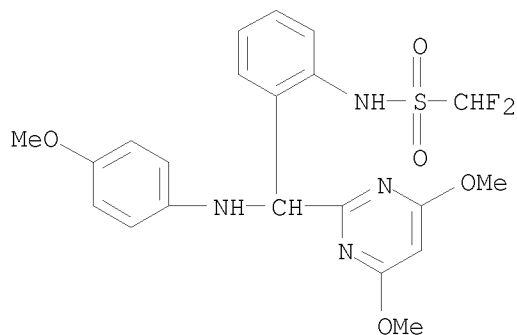
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(3-

methoxyphenyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



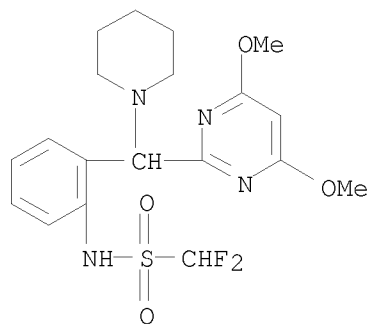
RN 221203-86-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(4-methoxyphenyl)amino]methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



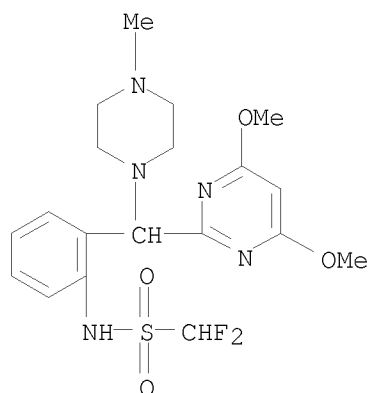
RN 221203-87-8 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)-1-piperidinylmethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



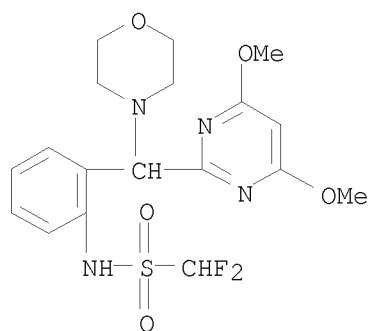
RN 221203-88-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(4-methyl-1-piperazinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



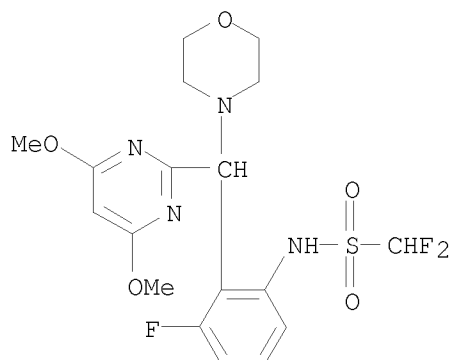
RN 221203-89-0 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)-4-morpholinylmethyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



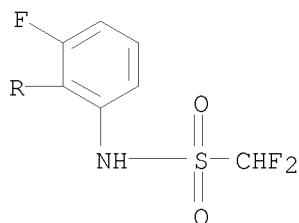
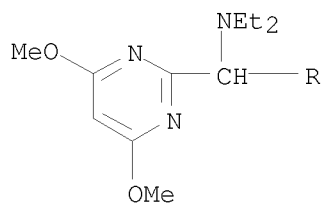
RN 221203-90-3 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)-4-morpholinylmethyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

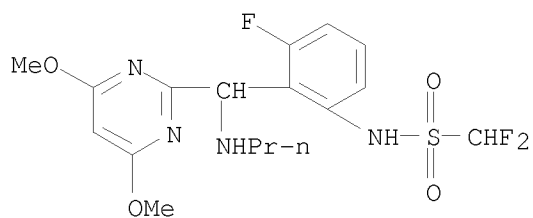


RN 221203-91-4 CAPLUS

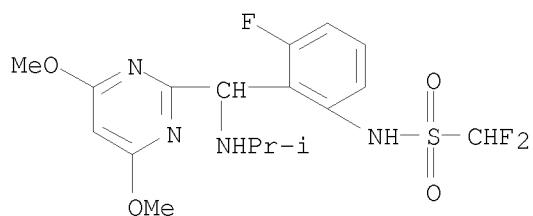
CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



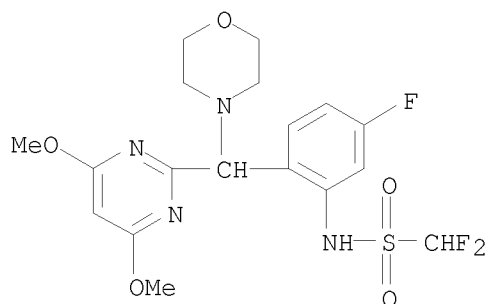
RN 221203-92-5 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl) (propylamino)methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



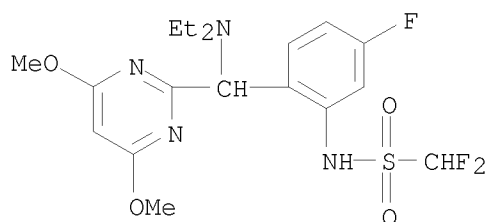
RN 221203-93-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl) [(1-methylethyl)amino]methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



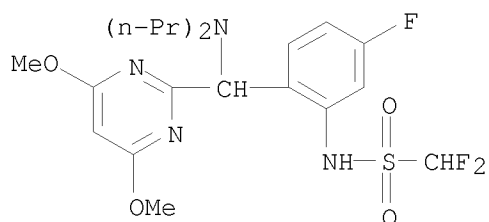
RN 221203-94-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)-4-morpholinylmethyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



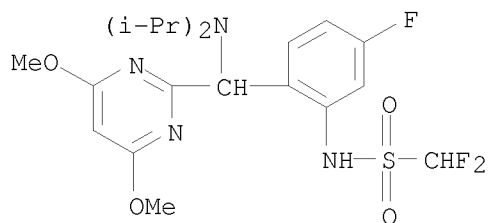
RN 221203-95-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221203-96-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dipropylamino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

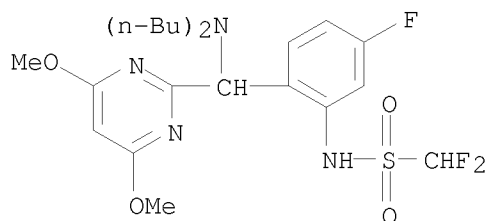


RN 221203-97-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[[bis(1-methylethyl)amino](4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



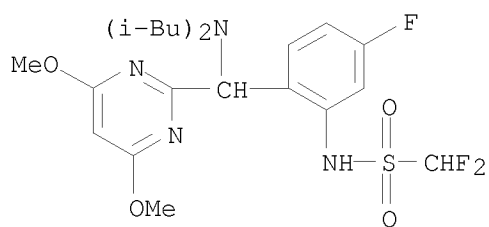
RN 221203-98-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[(dibutylamino)(4,6-dimethoxy-2-

pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



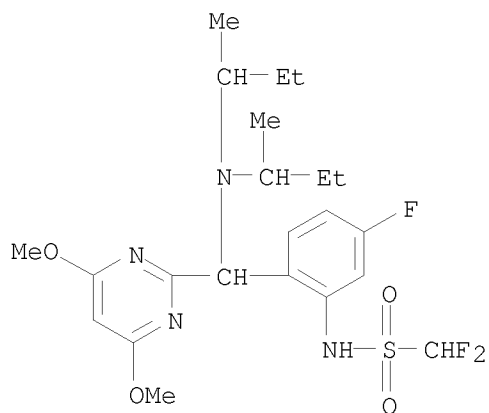
RN 221203-99-2 CAPLUS

CN Methanesulfonamide, N-[2-[[bis(2-methylpropyl)amino](4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



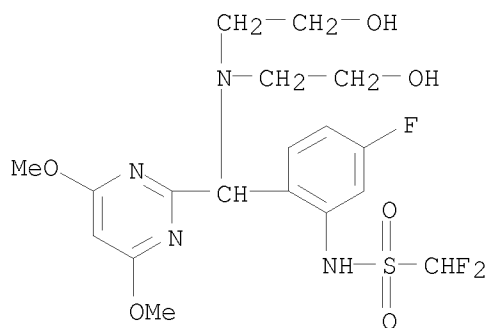
RN 221204-00-8 CAPLUS

CN Methanesulfonamide, N-[2-[[bis(1-methylpropyl)amino](4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

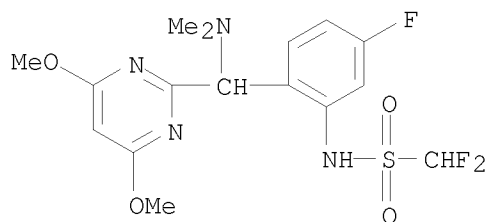


RN 221204-01-9 CAPLUS

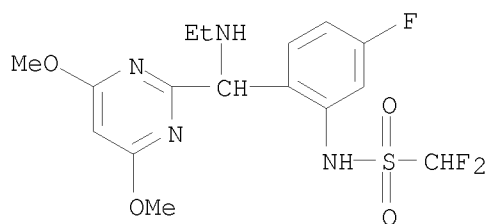
CN Methanesulfonamide, N-[2-[[bis(2-hydroxyethyl)amino](4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



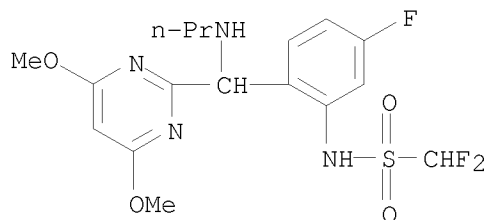
RN 221204-02-0 CAPLUS  
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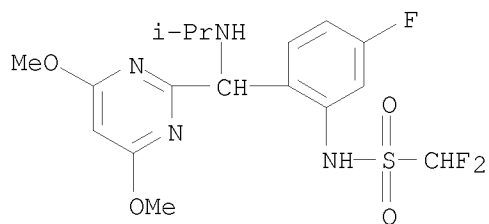
RN 221204-03-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylamino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



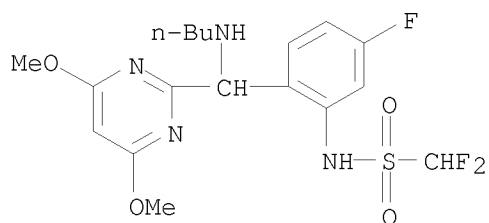
RN 221204-04-2 CAPLUS  
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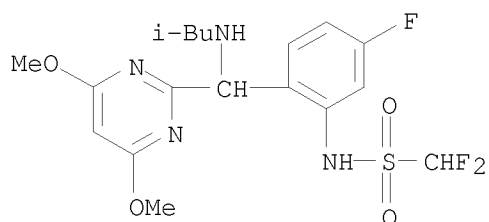
RN 221204-05-3 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(1-methylethyl)amino]methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



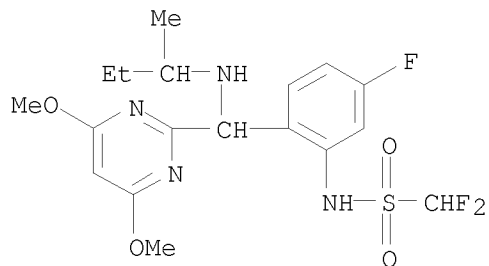
RN 221204-06-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(butylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221204-08-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(2-methylpropyl)amino]methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



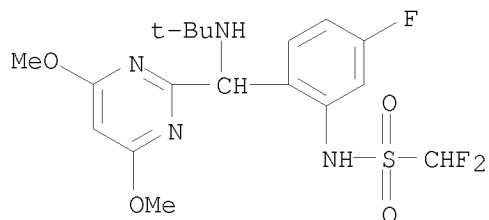
RN 221204-09-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(1-methylpropyl)amino]methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221204-11-1 CAPLUS

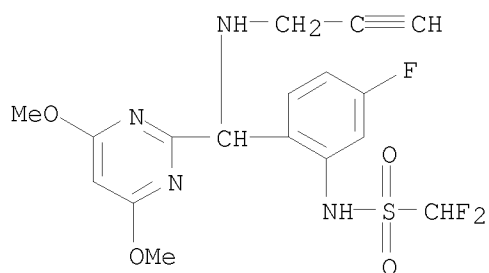


CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(1,1-dimethylethyl)amino]methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



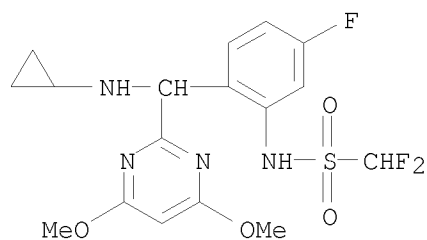
RN 221204-13-3 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2-propyn-1-ylamino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



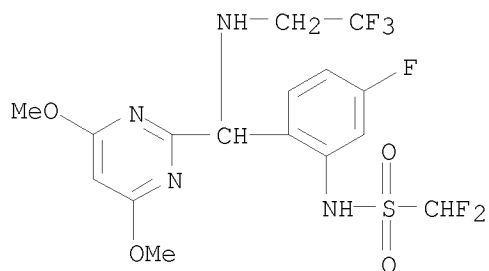
RN 221204-14-4 CAPLUS

CN Methanesulfonamide, N-[2-[(cyclopropylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



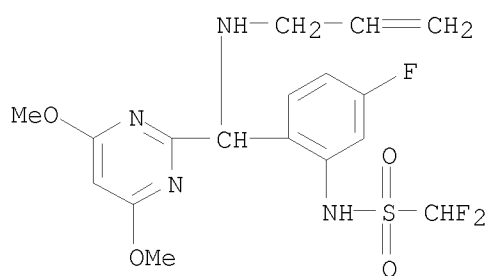
RN 221204-15-5 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(2,2,2-trifluoroethyl)amino]methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



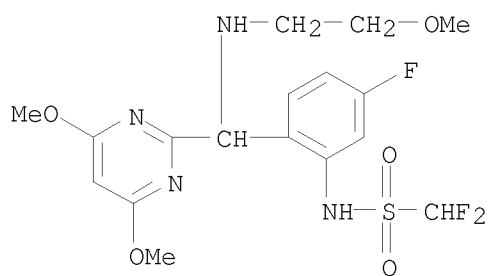
RN 221204-16-6 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2-propen-1-ylamino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



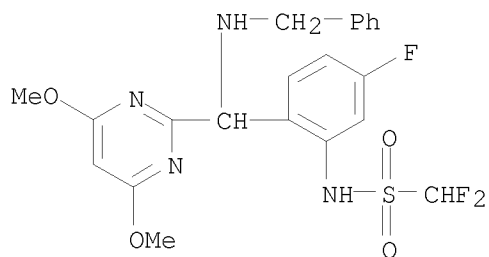
RN 221204-17-7 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2-methoxyethylamino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

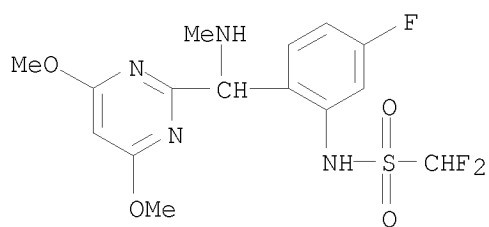


RN 221204-18-8 CAPLUS

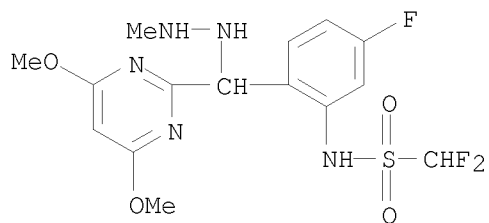
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(phenylmethylamino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



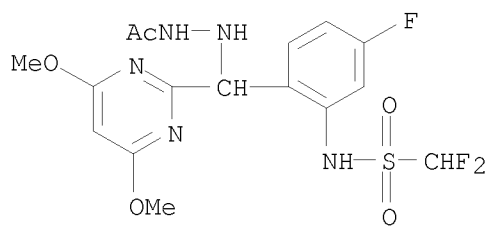
RN 221204-19-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylamino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



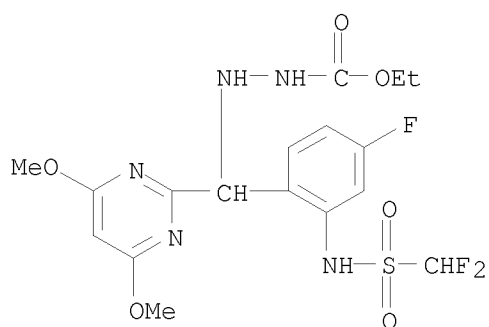
RN 221204-20-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2-methylhydrazinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



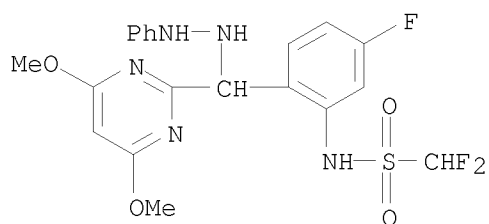
RN 221204-21-3 CAPLUS  
 CN Acetic acid, 2-[[2-[[[(difluoromethyl)sulfonyl]amino]-4-fluorophenyl](4,6-dimethoxy-2-pyrimidinyl)methyl]hydrazide] (CA INDEX NAME)



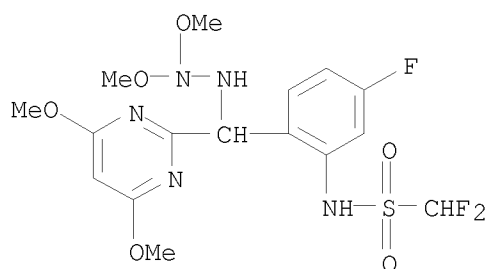
RN 221204-23-5 CAPLUS  
 CN Hydrazinecarboxylic acid, 2-[[2-[[[(difluoromethyl)sulfonyl]amino]-4-fluorophenyl](4,6-dimethoxy-2-pyrimidinyl)methyl]-, ethyl ester (CA INDEX NAME)



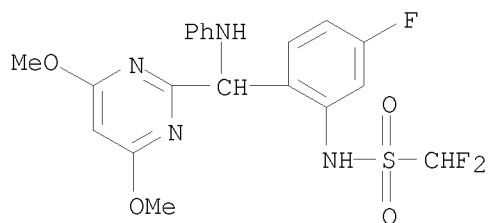
RN 221204-24-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2-phenylhydrazinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



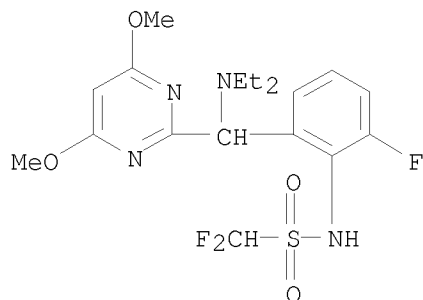
RN 221204-25-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(2,2-dimethoxyhydrazinyl)(4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



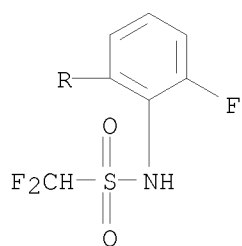
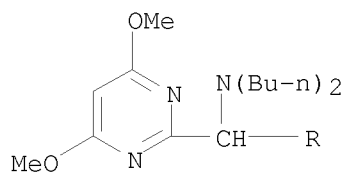
RN 221204-26-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(phenylamino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



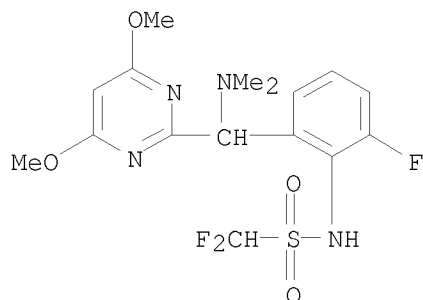
RN 221204-27-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



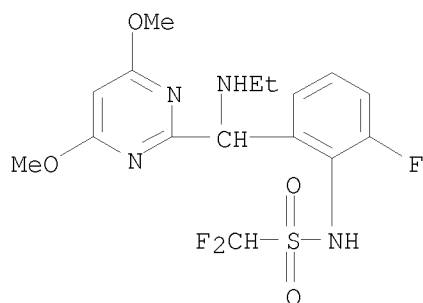
RN 221204-28-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(dibutylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



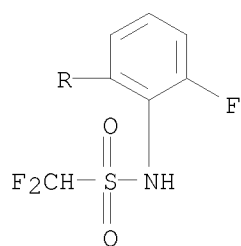
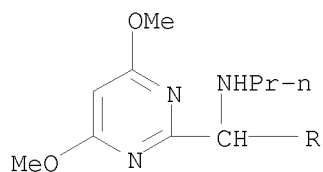
RN 221204-29-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dimethylamino)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



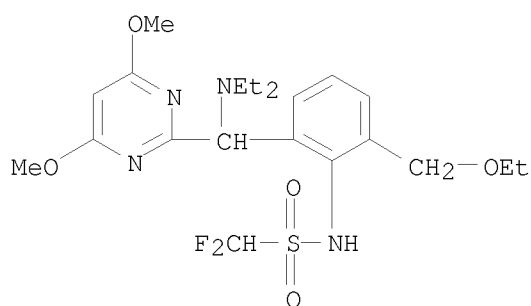
RN 221204-30-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylamino)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221204-31-5 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(propylamino)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

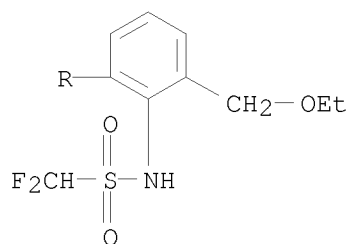
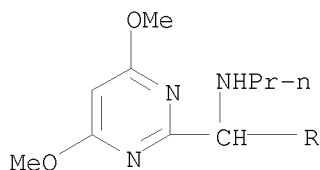


RN 221204-32-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(ethoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

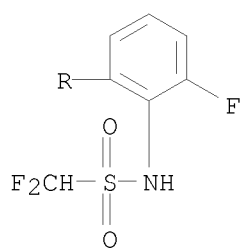
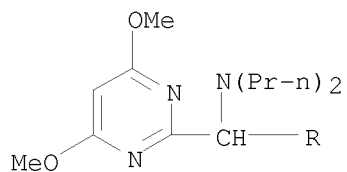


RN 221204-33-7 CAPLUS

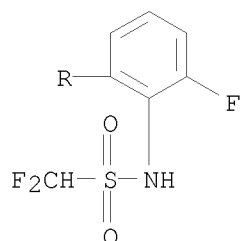
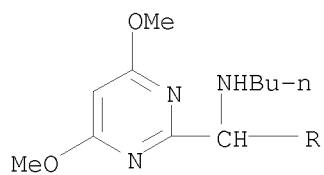
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(propylamino)methyl]-6-(ethoxymethyl)phenyl]-1,1-difluoro-  
(CA INDEX NAME)



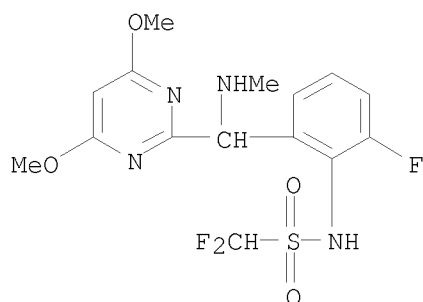
RN 221204-34-8 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dipropylamino)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



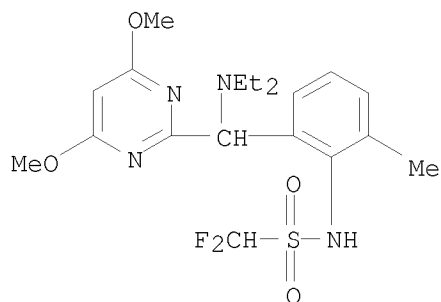
RN 221204-35-9 CAPLUS  
CN Methanesulfonamide, N-[2-[(butylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221204-36-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl) (methylamino)methyl]-6-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

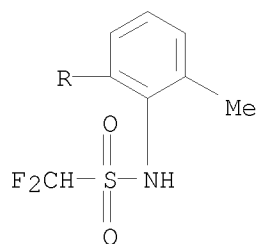
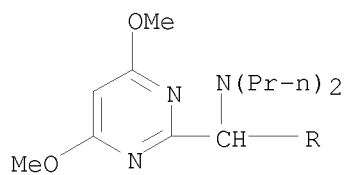


RN 221204-37-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[(diethylamino) (4,6-dimethoxy-2-pyrimidinyl)methyl]-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)

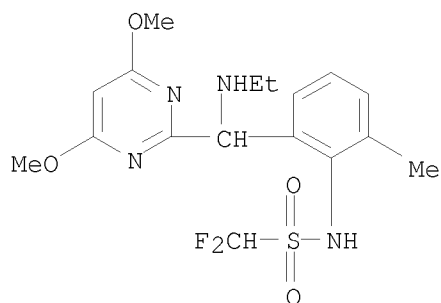


RN 221204-38-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl) (dipropylamino)methyl]-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)

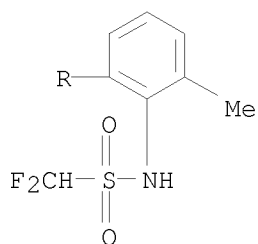
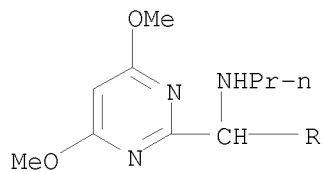




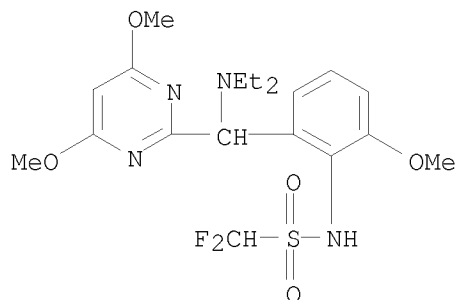
RN 221204-39-3 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylamino)methyl]-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



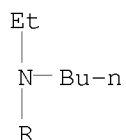
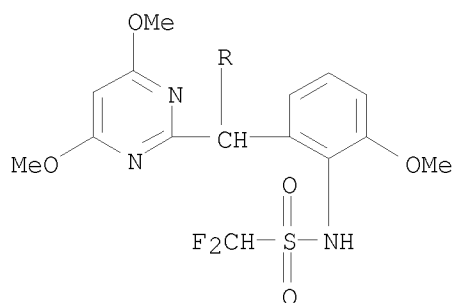
RN 221204-40-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(propylamino)methyl]-6-methylphenyl]-1,1-difluoro- (CA INDEX NAME)



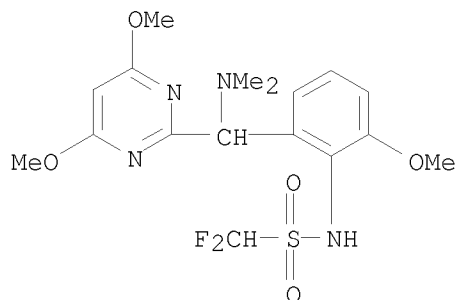
RN 221204-41-7 CAPLUS  
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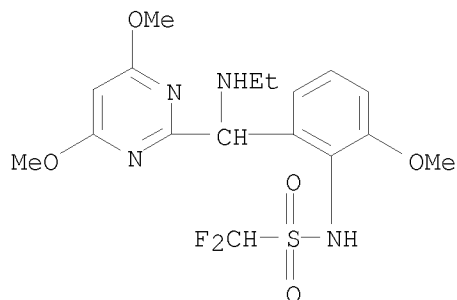
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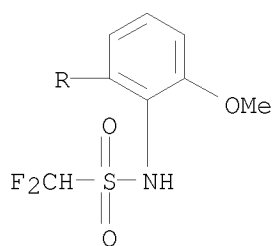
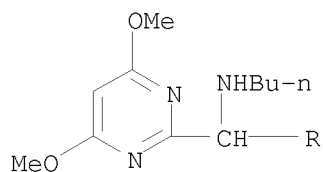
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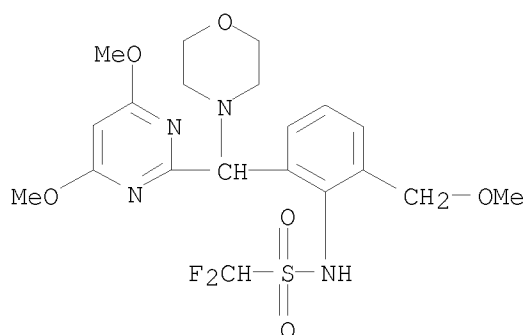
RN 221204-44-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylamino)methyl]-6-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



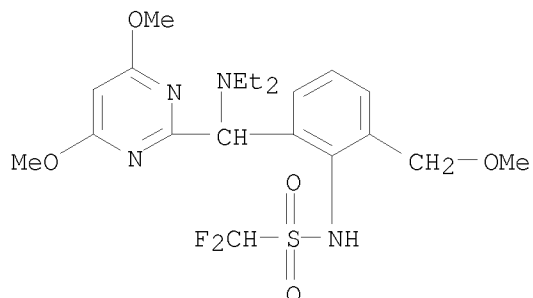
RN 221204-46-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[(butylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-methoxyphenyl]-1,1-difluoro- (CA INDEX NAME)



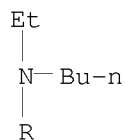
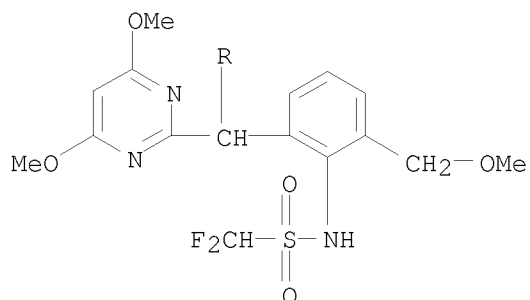
RN 221204-47-3 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)-4-morpholinylmethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



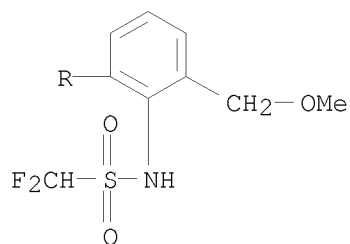
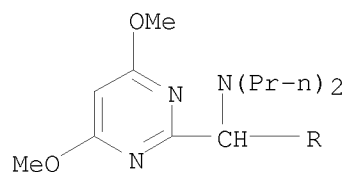
RN 221204-49-5 CAPLUS  
 CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



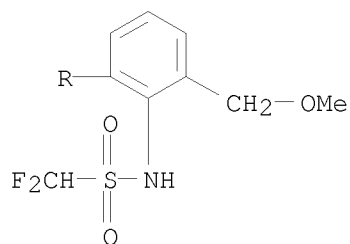
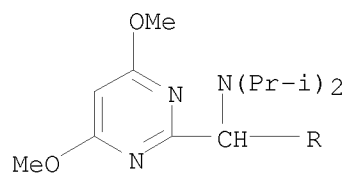
RN 221204-50-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(butylethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



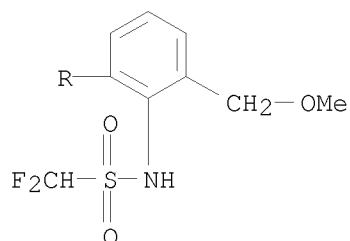
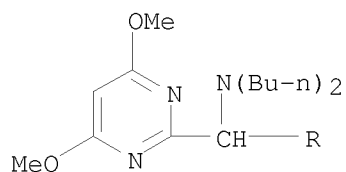
RN 221204-51-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dipropylamino)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



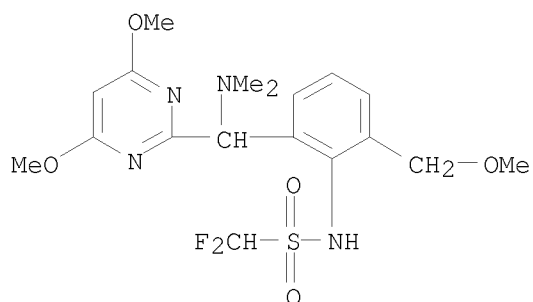
RN 221204-52-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[[bis(1-methylethyl)amino](4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



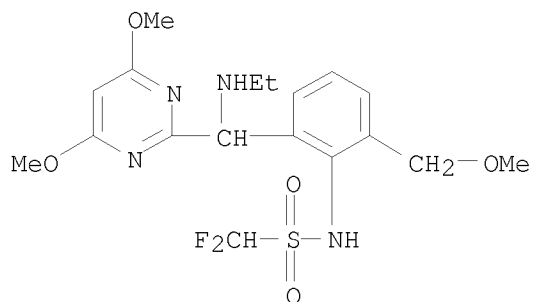
RN 221204-53-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[(dibutylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



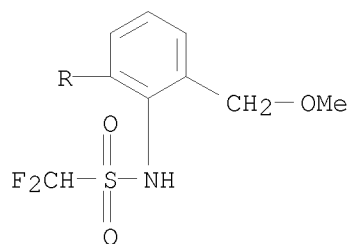
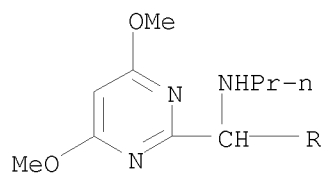
RN 221204-54-2 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl) (dimethylamino)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-  
 (CA INDEX NAME)



RN 221204-55-3 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl) (ethylamino)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

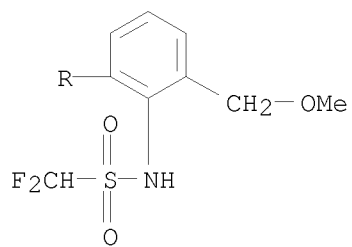
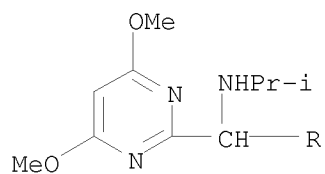


RN 221204-56-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl) (propylamino)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-  
 (CA INDEX NAME)



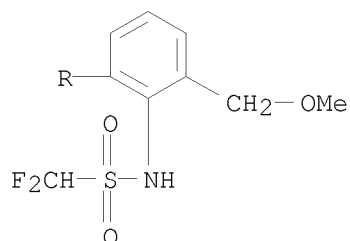
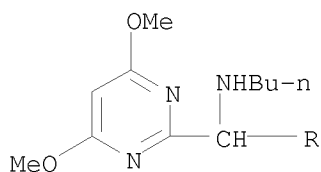
RN 221204-57-5 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)](1-methylethyl)amino]methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

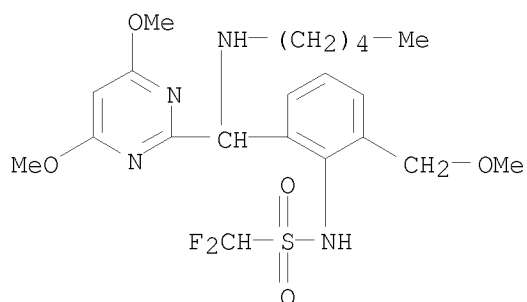


RN 221204-58-6 CAPLUS

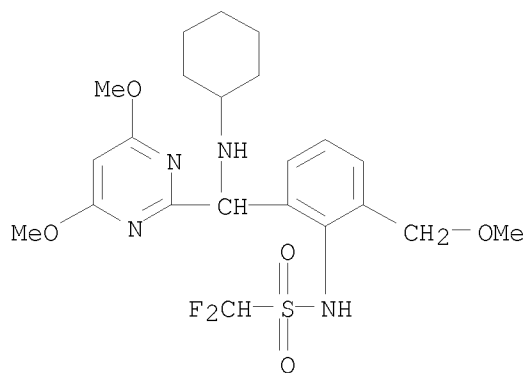
CN Methanesulfonamide, N-[2-[(butylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221204-59-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl) (pentylamino)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-  
 (CA INDEX NAME)



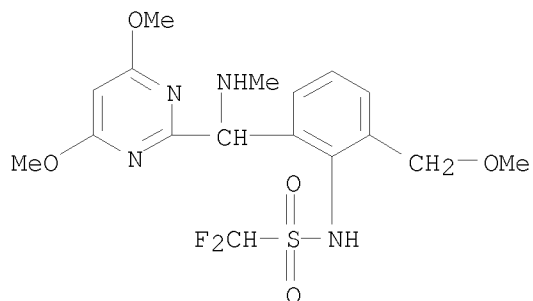
RN 221204-60-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(cyclohexylamino) (4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX  
 NAME)



RN 221204-61-1 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-

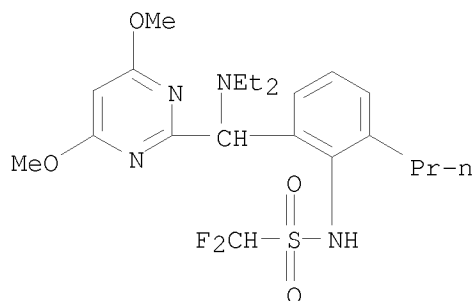


pyrimidinyl)(methylamino)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro-  
(CA INDEX NAME)



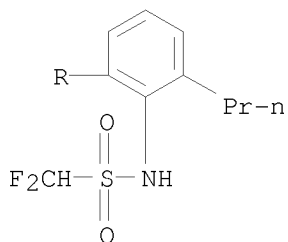
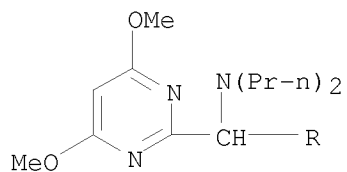
RN 221204-62-2 CAPLUS

CN Methanesulfonamide, N-[2-[(diethylamino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-propylphenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221204-63-3 CAPLUS

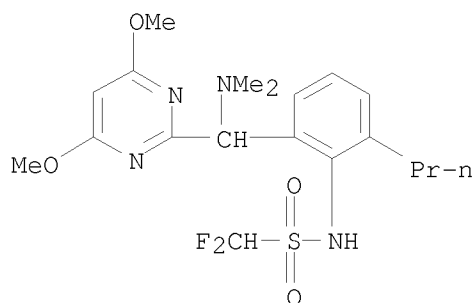
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dipropylamino)methyl]-6-propylphenyl]-1,1-difluoro- (CA INDEX NAME)



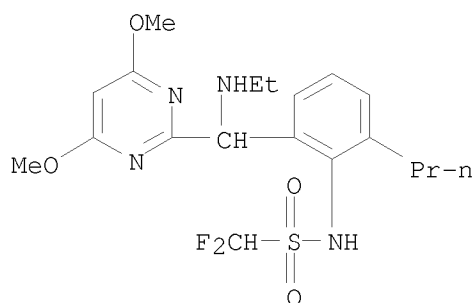
RN 221204-64-4 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-

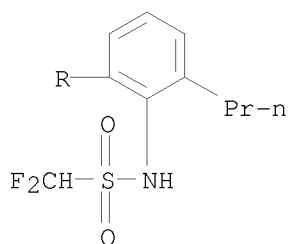
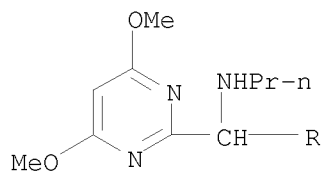
pyrimidinyl)(dimethylamino)methyl]-6-propylphenyl]-1,1-difluoro- (CA  
INDEX NAME)



RN 221204-65-5 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylamino)methyl]-6-propylphenyl]-1,1-difluoro- (CA INDEX NAME)

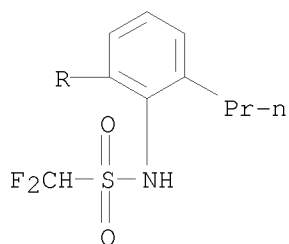
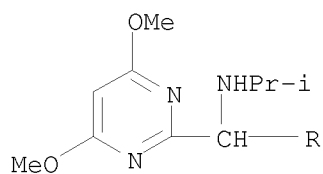


RN 221204-66-6 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(propylamino)methyl]-6-propylphenyl]-1,1-difluoro- (CA INDEX NAME)

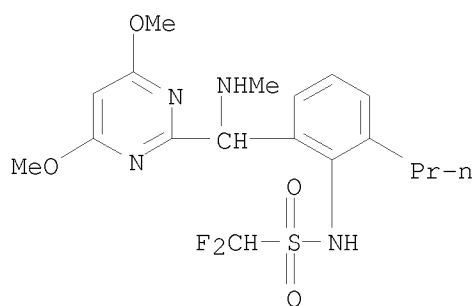


RN 221204-67-7 CAPLUS  
CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)[(1-

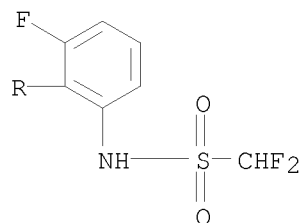
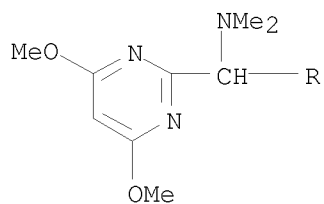
methylethyl)amino]methyl]-6-propylphenyl]-1,1-difluoro- (CA INDEX NAME)



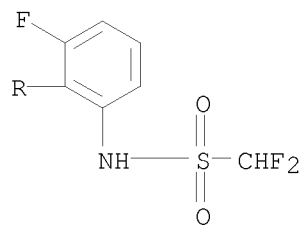
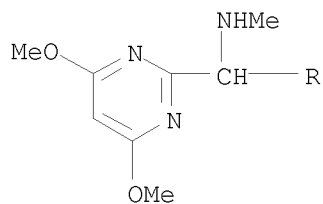
RN 221204-68-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylamino)methyl]-6-propylphenyl]-1,1-difluoro- (CA INDEX NAME)



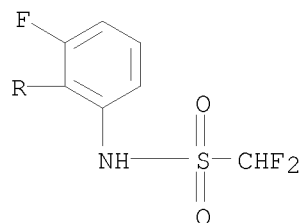
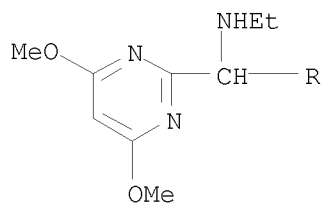
RN 221205-57-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(dimethylamino)methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



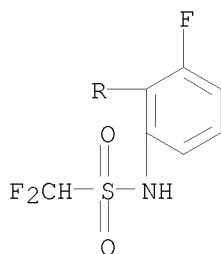
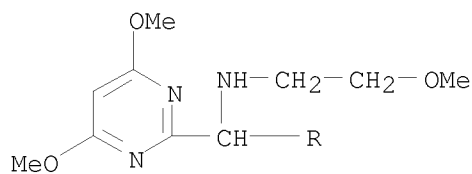
RN 221205-58-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylamino)methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



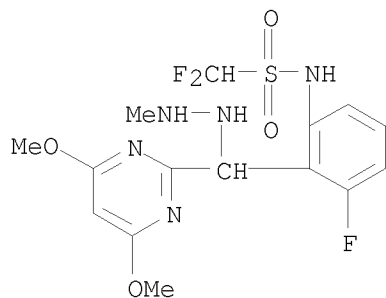
RN 221205-59-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylamino)methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



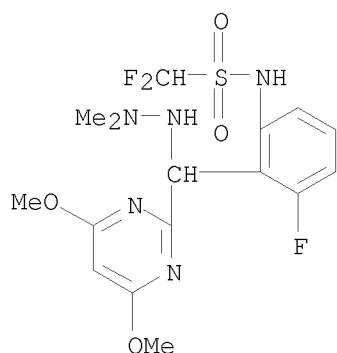
RN 221205-60-3 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)](2-methoxyethyl)amino]methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



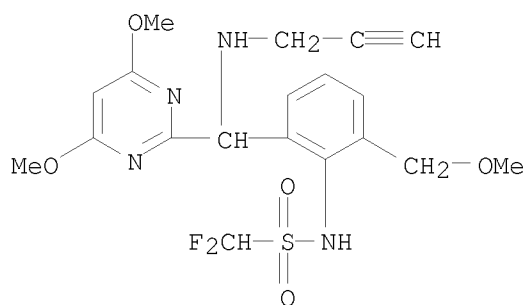
RN 221205-61-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)](2-methylhydrazinyl)methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



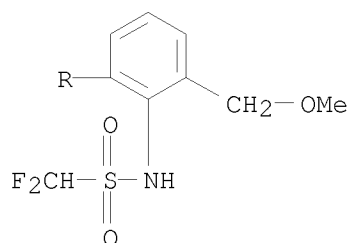
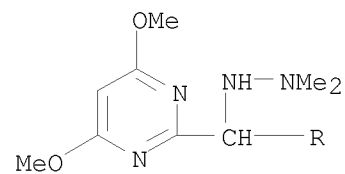
RN 221205-63-6 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2,2-dimethylhydrazinyl)methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221205-64-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2-propyn-1-ylamino)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

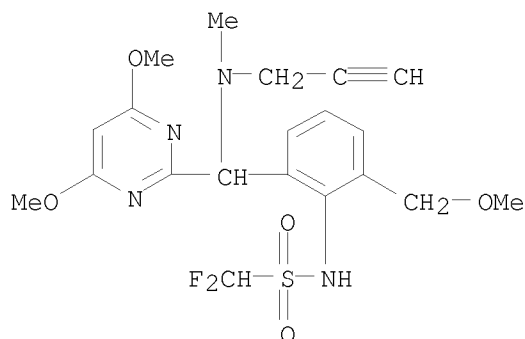


RN 221205-65-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2,2-dimethylhydrazinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



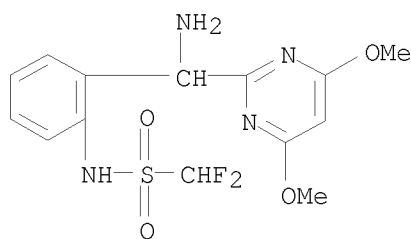
RN 221205-66-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methyl-2-propyn-1-ylamino)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



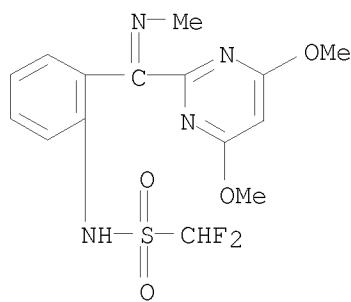
RN 221205-67-0 CAPLUS

CN Methanesulfonamide, N-[2-[amino(4,6-dimethoxy-2-pyrimidinyl)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)



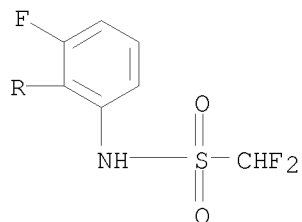
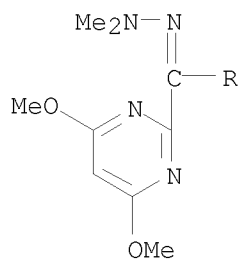
RN 221205-68-1 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylimino)methyl]phenyl]-1,1-difluoro- (CA INDEX NAME)

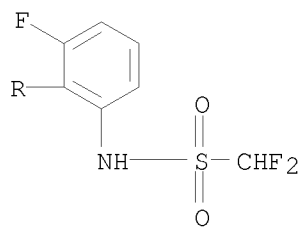
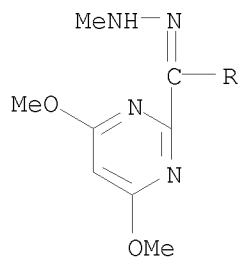


RN 221205-78-3 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2,2-dimethylhydrazinylidene)methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

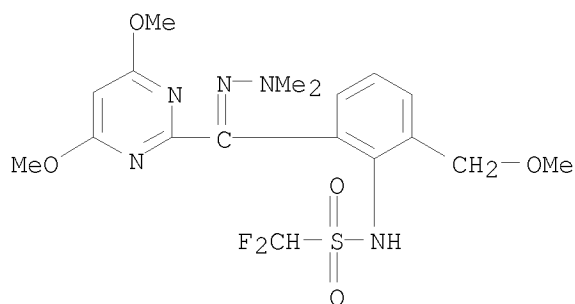


RN 221205-79-4 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2-methylhydrazinylidene)methyl]-3-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

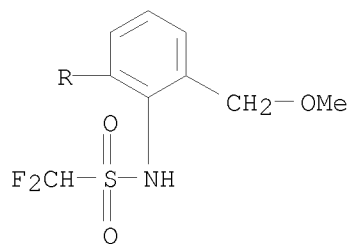
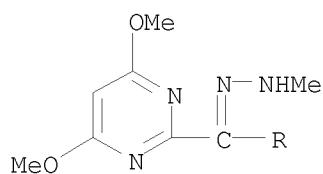


RN 221205-80-7 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2,2-dimethylhydrazinylidene)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

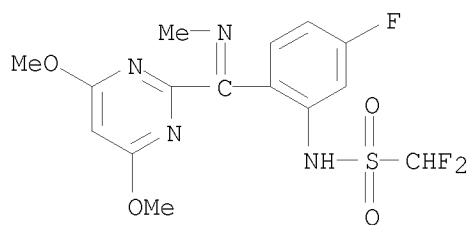




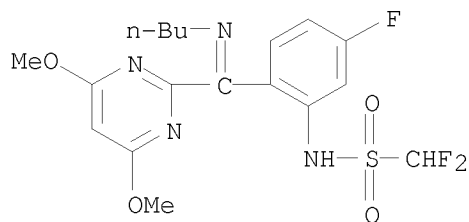
RN 221205-81-8 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(2-methylhydrazinylidene)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221205-82-9 CAPLUS  
 CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(methylimino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)

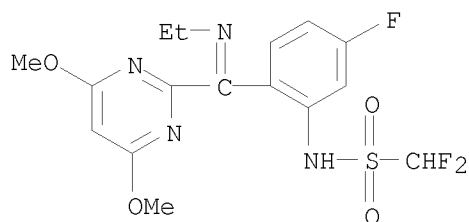


RN 221205-83-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[(butylimino)(4,6-dimethoxy-2-pyrimidinyl)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221205-84-1 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)(ethylimino)methyl]-5-fluorophenyl]-1,1-difluoro- (CA INDEX NAME)



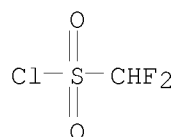
IT 1512-30-7

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of sulfonanilide moiety containing pyrimidine derivs. as herbicides)

RN 1512-30-7 CAPLUS

CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



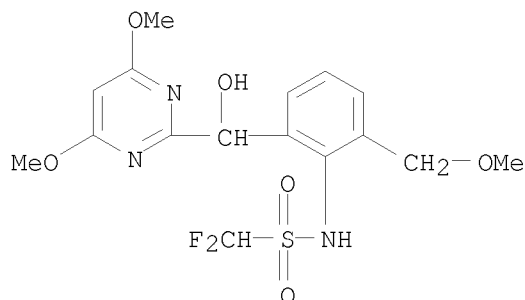
IT 221205-90-9P 221205-91-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

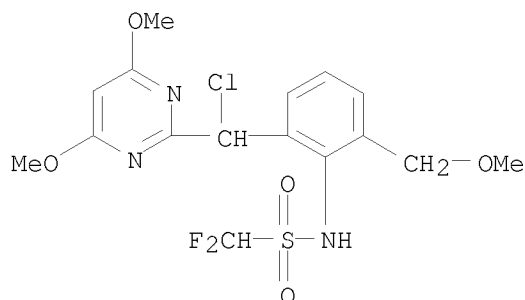
(preparation of sulfonanilide moiety containing pyrimidine derivs. as herbicides)

RN 221205-90-9 CAPLUS

CN Methanesulfonamide, N-[2-[(4,6-dimethoxy-2-pyrimidinyl)hydroxymethyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 221205-91-0 CAPLUS  
 CN Methanesulfonamide, N-[2-[chloro(4,6-dimethoxy-2-pyrimidinyl)methyl]-6-(methoxymethyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

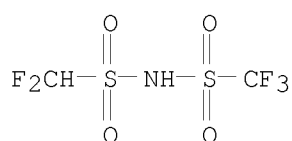


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 ACCESSION NUMBER: 1999:130426 CAPLUS  
 DOCUMENT NUMBER: 130:184069  
 TITLE: Preparation of bis(fluoroalkylenesulfonyl) imides and (fluoroalkylsulfonyl) (fluorosulfonyl) imides  
 INVENTOR(S): Howells, Richard D.; Lamanna, William M.; Fanta, Alan D.; Waddell, Jennifer  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Company, USA  
 SOURCE: U.S., 10 pp., Cont.-in-part of U.S. Ser. No. 398,859. CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5874616	A	19990223	US 1995-577425	19951222
US 5514493	A	19960507	US 1995-398859	19950306
CA 2238619	A1	19970703	CA 1996-2238619	19961209
CA 2238619	C	20060808		
WO 9723448	A1	19970703	WO 1996-US19532	19961209
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				

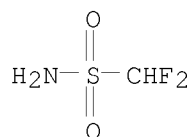
AU 9711301	A	19970717	AU 1997-11301	19961209
EP 904265	A1	19990331	EP 1996-942154	19961209
EP 904265	B1	20010418		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
ES 2155632	T3	20010516	ES 1996-942154	19961209
PRIORITY APPLN. INFO.:			US 1995-398859	A2 19950306
			US 1995-577425	A 19951222
			WO 1996-US19532	W 19961209

IT 192998-63-3P  
 RL: IMF (Industrial manufacture); PREP (Preparation)  
 (preparation of bis(fluoroalkylenesulfonyl) imides and fluoroalkylsulfonyl fluorosulfonyl imides)  
 RN 192998-63-3 CAPLUS  
 CN Methanesulfonamide, N-[(difluoromethyl)sulfonyl]-1,1,1-trifluoro-, lithium salt (1:1) (CA INDEX NAME)

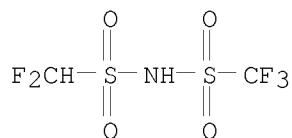


● Li

IT 50585-74-5P 192998-64-4P 192998-65-5P  
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of bis(fluoroalkylenesulfonyl) imides and fluoroalkylsulfonyl fluorosulfonyl imides)  
 RN 50585-74-5 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro- (CA INDEX NAME)



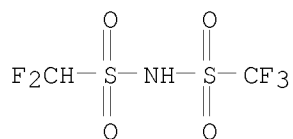
RN 192998-64-4 CAPLUS  
 CN Methanesulfonamide, N-[(difluoromethyl)sulfonyl]-1,1,1-trifluoro- (CA INDEX NAME)



RN 192998-65-5 CAPLUS  
 CN Methanesulfonamide, N-[(difluoromethyl)sulfonyl]-1,1,1-trifluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

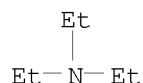
CM 1

CRN 192998-64-4  
CMF C2 H2 F5 N O4 S2

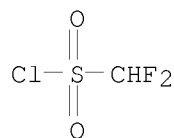


CM 2

CRN 121-44-8  
CMF C6 H15 N



IT 1512-30-7, Difluoromethanesulfonyl chloride  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of bis(fluoroalkylenesulfonyl) imides and fluoroalkylsulfony  
fluorosulfonyl imides)  
RN 1512-30-7 CAPLUS  
CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)

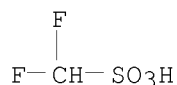


REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 125 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1999:74558 CAPLUS  
DOCUMENT NUMBER: 130:112706  
TITLE: Nonaqueous electrolyte solutions for batteries and the  
batteries  
INVENTOR(S): Nakamura, Takayuki; Ino, Tadashi  
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 11026015	A	19990129	JP 1997-173605	19970630
JP 3807459	B2	20060809		
JP 2006086134	A	20060330	JP 2005-347993	20051201
PRIORITY APPLN. INFO.:			JP 1997-173605	A3 19970630

OTHER SOURCE(S): MARPAT 130:112706  
 IT 175649-93-1  
 RL: DEV (Device component use); USES (Uses)  
 (batteries with nonaq. electrolyte solns. containing halogenated ethers)  
 RN 175649-93-1 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, lithium salt (1:1) (CA INDEX NAME)

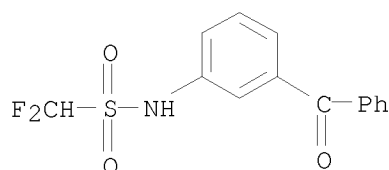


● Li

L17 ANSWER 126 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1998:682113 CAPLUS  
 DOCUMENT NUMBER: 129:299893  
 ORIGINAL REFERENCE NO.: 129:61085a,61088a  
 TITLE: Means of ascertaining an individual's risk profile for  
 atherosclerotic disease based on systemic inflammation  
 marker levels  
 INVENTOR(S): Ridker, Paul; Hennekens, Charles H.  
 PATENT ASSIGNEE(S): Brigham and Women's Hospital, Inc., USA  
 SOURCE: PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9843630	A1	19981008	WO 1998-US6613	19980402
W: AU, CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2285091	A1	19981008	CA 1998-2285091	19980402
AU 9871008	A	19981022	AU 1998-71008	19980402
EP 1003501	A1	20000531	EP 1998-917992	19980402
EP 1003501	B1	20050309		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001525058	T	20011204	JP 1998-542023	19980402
JP 3805381	B2	20060802		
JP 2003128582	A	20030508	JP 2002-220353	19980402
EP 1493439	A1	20050105	EP 2004-10424	19980402
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
AT 290375	T	20050315	AT 1998-917992	19980402
PT 1003501	T	20050729	PT 1998-917992	19980402
ES 2239801	T3	20051001	ES 1998-917992	19980402
JP 2008120800	A	20080529	JP 2007-279272	20071026
PRIORITY APPLN. INFO.:			US 1997-41950P	P 19970402
			US 1997-43039P	P 19970402
			US 1998-70894P	P 19980109
			EP 1998-917992	A3 19980402
			JP 1998-542023	A3 19980402
			JP 2002-220353	A3 19980402

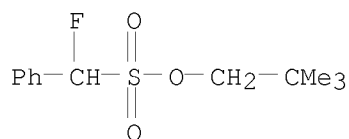
IT 22737-01-5, Diflumidone sodium  
 RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (systemic inflammation marker level in evaluation of cardiovascular disorder risk reduction by)  
 RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
 (CA INDEX NAME)



● Na

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 127 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1998:651753 CAPLUS  
 DOCUMENT NUMBER: 130:3671  
 TITLE: Preparation of Benzylic  $\alpha,\alpha$ -Difluoro nitriles, -tetrazoles, and -sulfonates via Electrophilic Fluorination  
 AUTHOR(S): Kotoris, Christopher C.; Chen, Mei-Jin; Taylor, Scott D.  
 CORPORATE SOURCE: Department of Chemistry, University of Toronto, Mississauga, ON, L5L 1C6, Can.  
 SOURCE: Journal of Organic Chemistry (1998), 63(22), 8052-8057  
 CODEN: JOCEAH; ISSN: 0022-3263  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 130:3671  
 IT 215859-38-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of benzylic  $\alpha,\alpha$ -difluoro nitriles, tetrazoles, and sulfonates via electrophilic fluorination)  
 RN 215859-38-4 CAPLUS  
 CN Benzenemethanesulfonic acid,  $\alpha$ -fluoro-, 2,2-dimethylpropyl ester  
 (CA INDEX NAME)



REFERENCE COUNT: 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 128 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:464361 CAPLUS  
 DOCUMENT NUMBER: 129:109417  
 ORIGINAL REFERENCE NO.: 129:22483a,22486a  
 TITLE: Salts of malononitrile-based anions for use as ionic conductors  
 INVENTOR(S): Armand, Michel; Choquette, Yves; Gauthier, Michel; Michot, Christophe  
 PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique (CNRS), Fr.; Hydro-Quebec  
 SOURCE: Eur. Pat. Appl., 49 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 850921	A1	19980701	EP 1997-403189	19971230
EP 850921	B1	20020925		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2194127	A1	19980630	CA 1996-2194127	19961230
CA 2199231	A1	19980905	CA 1997-2199231	19970305
CA 2244979	A1	19980709	CA 1997-2244979	19971230
CA 2244979	C	20080506		
CA 2248242	A1	19980709	CA 1997-2248242	19971230
CA 2248244	A1	19980709	CA 1997-2248244	19971230
CA 2248246	A1	19980709	CA 1997-2248246	19971230
CA 2248303	A1	19980709	CA 1997-2248303	19971230
CA 2248304	A1	19980709	CA 1997-2248304	19971230
CA 2248304	C	20071113		
WO 9829358	A2	19980709	WO 1997-CA1008	19971230
WO 9829358	A3	19981008		
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
WO 9829399	A1	19980709	WO 1997-CA1009	19971230
W: CA, JP, US				
WO 9829389	A1	19980709	WO 1997-CA1010	19971230
W: CA, JP, US				
WO 9829396	A1	19980709	WO 1997-CA1011	19971230
W: CA, JP, US				
WO 9829877	A1	19980709	WO 1997-CA1012	19971230
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
WO 9829388	A1	19980709	WO 1997-CA1013	19971230
W: CA, JP, US				
EP 889863	A2	19990113	EP 1997-951051	19971230
EP 889863	B1	20030507		
R: DE, FR, GB, IT				
EP 890176	A1	19990113	EP 1997-951052	19971230
EP 890176	B1	20010620		
R: DE, FR, GB, IT				
JP 2000508114	T	20000627	JP 1998-529517	19971230
JP 2000508346	T	20000704	JP 1998-529516	19971230
JP 2000508676	T	20000711	JP 1998-529514	19971230
JP 4124487	B2	20080723		
JP 2000508677	T	20000711	JP 1998-529515	19971230
JP 2000508678	T	20000711	JP 1998-529518	19971230
EP 1201650	A2	20020502	EP 2001-129670	19971230
EP 1201650	A3	20040102		
EP 1201650	B1	20061122		



R: DE, FR, GB, IT

JP 2002514245	T	20020514	JP 1998-529513	19971230
JP 4070244	B2	20080402		
US 6120696	A	20000919	US 1998-125792	19980828
US 6171522	B1	20010109	US 1998-101811	19981119
US 6333425	B1	20011225	US 1998-101810	19981119
US 6228942	B1	20010508	US 1998-125798	19981202
US 6395367	B1	20020528	US 1998-125799	19981202
US 6319428	B1	20011120	US 1998-125797	19981203
US 6365068	B1	20020402	US 2000-609362	20000630
US 6576159	B1	20030610	US 2000-638793	20000809
US 20010024749	A1	20010927	US 2001-826941	20010406
US 6506517	B2	20030114		
US 20020009650	A1	20020124	US 2001-858439	20010516
US 20020102380	A1	20020801	US 2002-107742	20020327
US 6835495	B2	20041228		
US 20030052310	A1	20030320	US 2002-253035	20020924
US 20030066988	A1	20030410	US 2002-253970	20020924
US 20050074668	A1	20050407	US 2004-789453	20040227
US 20050123831	A1	20050609	US 2004-926283	20040825
JP 2008007781	A	20080117	JP 2007-193021	20070725

PRIORITY APPLN. INFO.:

CA 1996-2194127	A	19961230
CA 1997-2199231	A	19970305
EP 1997-403189	A3	19971230
JP 1998-529513	A3	19971230
WO 1997-CA1008	W	19971230
WO 1997-CA1009	W	19971230
WO 1997-CA1010	W	19971230
WO 1997-CA1011	W	19971230
WO 1997-CA1012	W	19971230
WO 1997-CA1013	W	19971230
US 1998-101810	A3	19981119
US 1998-101811	A3	19981119
US 1998-125798	A3	19981202
US 1998-125799	A3	19981202
US 1998-125797	A1	19981203
US 2000-638793	A1	20000809
US 2001-858439	A1	20010516
US 2002-107742	A1	20020327

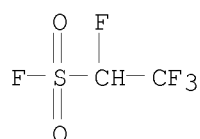
OTHER SOURCE(S): MARPAT 129:109417

IT 2127-74-4P, 1,2,2,2-Tetrafluoroethanesulfonyl fluoride  
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT  
 (Reactant or reagent)

(preparation and reaction with bromododecane and malononitrile Na salt)

RN 2127-74-4 CAPLUS

CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

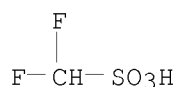
L17 ANSWER 129 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:408175 CAPLUS

DOCUMENT NUMBER: 129:85065

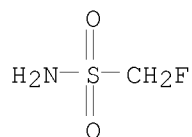
ORIGINAL REFERENCE NO.: 129:17473a,17476a

TITLE: Defluorination of Organofluorine Sulfur Compounds by  
 Pseudomonas Sp. Strain D2  
 AUTHOR(S): Key, Blake D.; Howell, Robert D.; Criddle, Craig S.  
 CORPORATE SOURCE: Department of Civil and Environmental Engineering  
 Center for Microbial Ecology, Michigan State  
 University, East Lansing, MI, 48824, USA  
 SOURCE: Environmental Science and Technology (1998), 32(15),  
 2283-2287  
 CODEN: ESTHAG; ISSN: 0013-936X  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 40856-07-3, Difluoromethanesulfonic acid  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
 (Biological study); PROC (Process)  
 (defluorination of organofluorine sulfur compds. by Pseudomonas sp.)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)

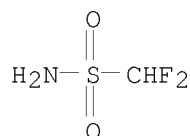


REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 130 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1998:227889 CAPLUS  
 DOCUMENT NUMBER: 129:4290  
 ORIGINAL REFERENCE NO.: 129:1045a,1048a  
 TITLE: Semi-empirical atomic charges and dipole moments in  
 hypervalent sulfonamide molecules: descriptors in QSAR  
 studies  
 AUTHOR(S): Clare, Brian W.; Supuran, Claudiu T.  
 CORPORATE SOURCE: Div. Sci., Murdoch Univ., Murdoch, W.A. 6150,  
 Australia  
 SOURCE: THEOCHEM (1998), 428, 109-121  
 CODEN: THEODJ; ISSN: 0166-1280  
 PUBLISHER: Elsevier Science B.V.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 50585-72-3 50585-74-5  
 RL: PRP (Properties)  
 (semi-empirical atomic charges and dipole moments in hypervalent  
 sulfonamide mols. as descriptors in QSAR)  
 RN 50585-72-3 CAPLUS  
 CN Methanesulfonamide, 1-fluoro- (CA INDEX NAME)



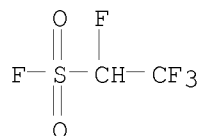
RN 50585-74-5 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro- (CA INDEX NAME)



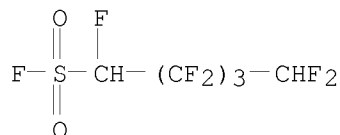
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 131 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1998:157455 CAPLUS  
 DOCUMENT NUMBER: 128:192642  
 ORIGINAL REFERENCE NO.: 128:38059a,38062a  
 TITLE: Preparation of fluorinated  $\beta$ -sultones from fluoroolefins and oleum.  
 INVENTOR(S): Cheburkov, Yuri; Lamanna, William M.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co., USA  
 SOURCE: U.S., 8 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5723630	A	19980303	US 1997-802193	19970218
CA 2280786	A1	19980820	CA 1997-2280786	19971230
WO 9835953	A1	19980820	WO 1997-US24107	19971230
W: CA, JP, KR				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 966459	A1	19991229	EP 1997-953523	19971230
R: BE, DE, FR, GB, IT				
JP 2001512455	T	20010821	JP 1998-535718	19971230
PRIORITY APPLN. INFO.:			US 1997-802193	A 19970218
			WO 1997-US24107	W 19971230
OTHER SOURCE(S): CASREACT 128:192642; MARPAT 128:192642				
IT 2127-74-4P 203790-59-4P				
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)				
(preparation of fluorinated $\beta$ -sultones)				
RN 2127-74-4 CAPLUS				
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)				

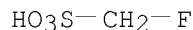


RN 203790-59-4 CAPLUS  
 CN 1-Pentanesulfonyl fluoride, 1,2,2,3,3,4,4,5,5-nonafluoro- (CA INDEX NAME)

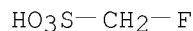


REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 132 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1998:68069 CAPLUS  
 DOCUMENT NUMBER: 128:192624  
 ORIGINAL REFERENCE NO.: 128:38055a,38058a  
 TITLE: The synthesis of fluorinated busulfan and piposulfan analogs, including an unsymmetrical bis-sulfonate  
 AUTHOR(S): Lange, Ulla; Senning, Alexander  
 CORPORATE SOURCE: Kemisk Institut, Aarhus Universitet, Aarhus, DK-8000, Den.  
 SOURCE: Acta Chemica Scandinavica (1998), 52(1), 42-44  
 CODEN: ACHSE7; ISSN: 0904-213X  
 PUBLISHER: Munksgaard International Publishers Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 128:192624  
 IT 64249-95-2P 203571-11-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of fluorinated busulfan and piposulfan analogs as anticancer agents)  
 RN 64249-95-2 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro- (CA INDEX NAME)

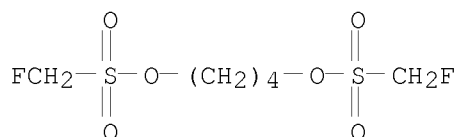


RN 203571-11-3 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-, silver(1+) salt (1:1) (CA INDEX NAME)

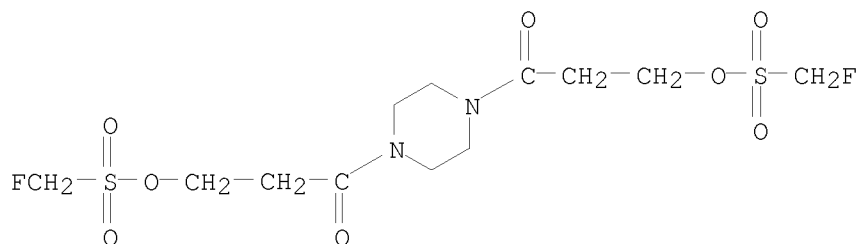


● Ag(I)

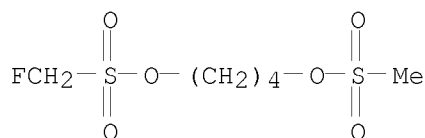
IT 203571-13-5P 203571-15-7P 203571-19-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of fluorinated busulfan and piposulfan analogs as anticancer agents)  
 RN 203571-13-5 CAPLUS  
 CN Methanesulfonic acid, fluoro-, 1,4-butanediyl ester (9CI) (CA INDEX NAME)



RN 203571-15-7 CAPLUS  
 CN Methanesulfonic acid, fluoro-, 1,4-piperazinediylbis(3-oxo-3,1-propanediyl) ester (9CI) (CA INDEX NAME)



RN 203571-19-1 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-, 4-[(methanesulfonyl)oxy]butyl ester (CA INDEX NAME)



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 133 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1997:597459 CAPLUS  
 DOCUMENT NUMBER: 127:262696  
 ORIGINAL REFERENCE NO.: 127:51309a,51312a  
 TITLE: Preparation of fluoromethylsulfonyl-substituted pyridylsulfonylureas as herbicides  
 INVENTOR(S): Kehne, Heinz; Willms, Lothar; Bauer, Klaus; Bieringer, Hermann  
 PATENT ASSIGNEE(S): Hoechst Schering Agrevo G.m.b.H., Germany  
 SOURCE: U.S., 8 pp., Cont-in-part of U. S. Ser. No. 859,513.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5663118	A	19970902	US 1994-224324	19940407
US 5635451	A	19970603	US 1992-859513	19920608
DE 4311787	A1	19941103	DE 1993-4311787	19930409
PRIORITY APPLN. INFO.:			US 1992-859513	A2 19920608
			DE 1993-4311787	A 19930409

DE 1990-4000503 A 19900110  
DE 1990-4030577 A 19900927  
WO 1990-EP2308 W 19901224

OTHER SOURCE(S): MARPAT 127:262696

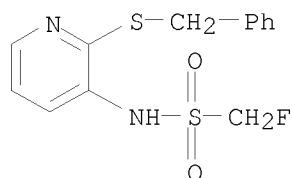
IT 159596-61-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of fluoromethylsulfonyl-substituted pyridylsulfonylureas as herbicides)

RN 159596-61-9 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[2-[(phenylmethyl)thio]-3-pyridinyl]- (CA INDEX NAME)



L17 ANSWER 134 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:503575 CAPLUS

DOCUMENT NUMBER: 127:136181

ORIGINAL REFERENCE NO.: 127:26283a, 26286a

TITLE: Preparation of bis(fluoroalkylenesulfonyl)imides and (fluoroalkylsulfonyl) (fluorosulfonyl)imides

INVENTOR(S): Howells, Richard D.; Lamanna, William M.; Fanta, Alan D.; Waddell, Jennifer E.

PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Company, USA

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9723448	A1	19970703	WO 1996-US19532	19961209
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5874616	A	19990223	US 1995-577425	19951222
CA 2238619	A1	19970703	CA 1996-2238619	19961209
CA 2238619	C	20060808		
AU 9711301	A	19970717	AU 1997-11301	19961209
EP 904265	A1	19990331	EP 1996-942154	19961209
EP 904265	B1	20010418		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

PRIORITY APPLN. INFO.:

US 1995-577425 A 19951222  
US 1995-398859 A2 19950306  
WO 1996-US19532 W 19961209

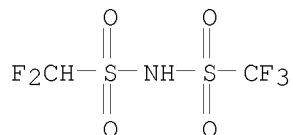
IT 192998-63-3P

RL: IMF (Industrial manufacture); PREP (Preparation)

(preparation of bis(fluoroalkylenesulfonyl)imides and (fluoroalkylsulfonyl)  
(fluorosulfonyl)imides)

RN 192998-63-3 CAPLUS

CN Methanesulfonamide, N-[(difluoromethyl)sulfonyl]-1,1,1-trifluoro-, lithium  
salt (1:1) (CA INDEX NAME)



● Li

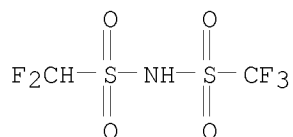
IT 192998-64-4P 192998-65-5P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT  
(Reactant or reagent)

(preparation of bis(fluoroalkylenesulfonyl)imides and (fluoroalkylsulfonyl)  
(fluorosulfonyl)imides)

RN 192998-64-4 CAPLUS

CN Methanesulfonamide, N-[(difluoromethyl)sulfonyl]-1,1,1-trifluoro- (CA  
INDEX NAME)



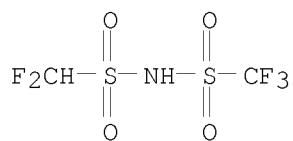
RN 192998-65-5 CAPLUS

CN Methanesulfonamide, N-[(difluoromethyl)sulfonyl]-1,1,1-trifluoro-, compd.  
with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 192998-64-4

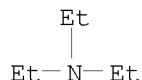
CMF C2 H2 F5 N O4 S2



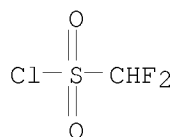
CM 2

CRN 121-44-8

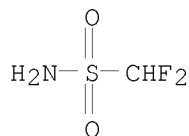
CMF C6 H15 N



IT 1512-30-7 50585-74-5  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of bis(fluoroalkylenesulfonyl)imides and (fluoroalkylsulfonyl)  
 (fluorosulfonyl)imides)  
 RN 1512-30-7 CAPLUS  
 CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 50585-74-5 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro- (CA INDEX NAME)

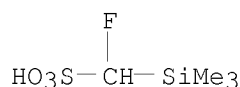


L17 ANSWER 135 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1997:110523 CAPLUS  
 DOCUMENT NUMBER: 126:117790  
 ORIGINAL REFERENCE NO.: 126:22737a,22740a  
 TITLE: Preparation of triarylsulfonium salts  
 INVENTOR(S): Oosawa, Yoichi; Watanabe, Satoshi; Shimada, Junji;  
 Ishihara, Toshinobu  
 PATENT ASSIGNEE(S): Shinetsu Chemical Industry Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

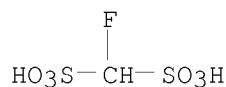
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08311018	A	19961126	JP 1996-75341	19960305
JP 3063615	B2	20000712		
TW 513399	B	20021211	TW 1996-85110919	19960906
PRIORITY APPLN. INFO.:			JP 1995-84773	A 19950316
			JP 1996-75341	A 19960305

OTHER SOURCE(S): CASREACT 126:117790; MARPAT 126:117790  
 IT 186142-83-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of triarylsulfonium salts from Grignard reagents and SOCl2 and  
 organosilyl sulfonates)  
 RN 186142-83-6 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-1-(trimethylsilyl)- (CA INDEX NAME)

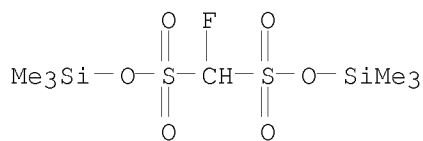




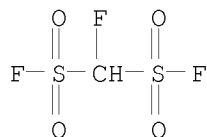
L17 ANSWER 136 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1997:69364 CAPLUS  
 DOCUMENT NUMBER: 126:211808  
 ORIGINAL REFERENCE NO.: 126:40959a  
 TITLE: Investigations on the acid-strength of  
 alkanepolysulfonic acids  
 AUTHOR(S): Jueschke, Ralf; Sartori, Peter  
 CORPORATE SOURCE: Fachbereich 6 Anorganische Chem., Gerhard-Mercator  
 Univ., Duisburg, D-47048, Germany  
 SOURCE: Zeitschrift fuer Naturforschung, B: Chemical Sciences  
 (1996), 51(12), 1691-1700  
 CODEN: ZNBSEN; ISSN: 0932-0776  
 PUBLISHER: Verlag der Zeitschrift fuer Naturforschung  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 IT 187610-85-1  
 RL: PRP (Properties)  
 (preparation of silyl alkanepolysulfonates and estimation of acidity by  
 correlation with <sup>29</sup>Si-NMR shift)  
 RN 187610-85-1 CAPLUS  
 CN Methanedisulfonic acid, 1-fluoro- (CA INDEX NAME)



IT 187610-30-6P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of silyl alkanepolysulfonates and estimation of acidity by  
 correlation with <sup>29</sup>Si-NMR shift)  
 RN 187610-30-6 CAPLUS  
 CN Methanedisulfonic acid, 1-fluoro-, 1,1-bis(trimethylsilyl) ester (CA  
 INDEX NAME)



IT 155652-57-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of silyl alkanepolysulfonates and estimation of acidity by  
 correlation with <sup>29</sup>Si-NMR shift)  
 RN 155652-57-6 CAPLUS  
 CN Methanedisulfonyl difluoride, 1-fluoro- (CA INDEX NAME)



L17 ANSWER 137 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1996:551851 CAPLUS

DOCUMENT NUMBER: 125:248726

ORIGINAL REFERENCE NO.: 125:46509a, 46512a

TITLE: Lithium salts of SF<sub>5</sub> alkylsulfonic acids: synthesis, characterization and conductivity

AUTHOR(S): Hamel, Nicolas N.; Nixon, Paul G.; Gard, Gary L.; Nafshun, Richard L.; Lerner, Michael M.

CORPORATE SOURCE: Department of Chemistry, Portland State University, Portland, OR, 97207, USA

SOURCE: Journal of Fluorine Chemistry (1996), 79(1), 81-86  
CODEN: JFLCAR; ISSN: 0022-1139

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

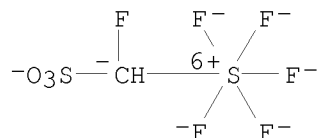
IT 182410-77-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and characterization of lithium alkylsulfonate-polyoxyethylene electrolytes)

RN 182410-77-1 CAPLUS

CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, lithium, (OC-6-21)- (9CI) (CA INDEX NAME)



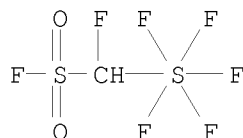
IT 93502-89-7

RL: RCT (Reactant); RACT (Reactant or reagent)

(starting material; preparation and characterization of lithium alkylsulfonate-polyoxyethylene electrolytes)

RN 93502-89-7 CAPLUS

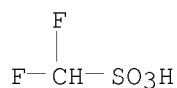
CN Sulfur, pentafluoro[fluoro(fluorosulfonyl)methyl]-, (OC-6-21)- (9CI) (CA INDEX NAME)



L17 ANSWER 138 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1996:231697 CAPLUS  
 DOCUMENT NUMBER: 124:265668  
 ORIGINAL REFERENCE NO.: 124:49103a,49106a  
 TITLE: Organic lithium sulfonate and nonaqueous electrolyte  
 containing this sulfonate  
 INVENTOR(S): Takizawa, Makoto; Yamamoto, Fumihiko; Ikeda, Masanori  
 PATENT ASSIGNEE(S): Asahi Chemical Ind., Japan; Asahi Kasei Electronics  
 Co., Ltd.  
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

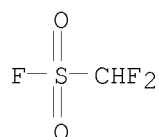
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08027095	A	19960130	JP 1994-157050	19940708
JP 3599371	B2	20041208		

PRIORITY APPLN. INFO.: JP 1994-157050 19940708  
 IT 175649-93-1P  
 RL: DEV (Device component use); PNU (Preparation, unclassified); PREP  
 (Preparation); USES (Uses)  
 (for battery nonaq. electrolytes)  
 RN 175649-93-1 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, lithium salt (1:1) (CA INDEX NAME)

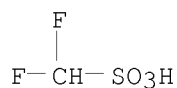


● Li

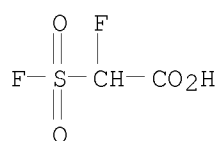
IT 1554-47-8, Difluoromethanesulfonyl fluoride 40856-07-3,  
 Difluoromethanesulfonic acid  
 RL: PEP (Physical, engineering or chemical process); PROC (Process)  
 (in preparation of lithium difluoromethanesulfonate for battery nonaq.  
 electrolytes)  
 RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



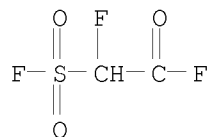
RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 139 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1996:145332 CAPLUS  
 DOCUMENT NUMBER: 124:190036  
 ORIGINAL REFERENCE NO.: 124:34899a,34902a  
 TITLE: Crystal Structure of (Fluorosulfonyl)fluoroacetic  
 Acid: A Novel Four-Center Hydrogen-Bond System  
 Involving a C-H Donor  
 AUTHOR(S): Braden, Dale A.; Gard, Gary L.; Weakley, Timothy J. R.  
 CORPORATE SOURCE: Department of Chemistry, Portland State University,  
 Portland, OR, 97207, USA  
 SOURCE: Inorganic Chemistry (1996), 35(7), 1912-14  
 CODEN: INOCAJ; ISSN: 0020-1669  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 815-21-4  
 RL: PRP (Properties)  
 (crystal structure of)  
 RN 815-21-4 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)

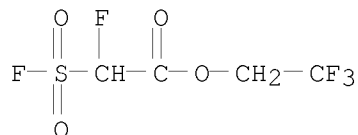


L17 ANSWER 140 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1995:923496 CAPLUS  
 DOCUMENT NUMBER: 124:116408  
 ORIGINAL REFERENCE NO.: 124:21677a,21680a  
 TITLE: Trifluoroethylene sultone: Structure and chemistry  
 AUTHOR(S): Braden, Dale A.; Gard, Gary L.; Oberhammer, Heinz  
 CORPORATE SOURCE: Department of Chemistry, Portland State University,  
 Portland, OR, USA  
 SOURCE: Zeitschrift fuer Anorganische und Allgemeine Chemie  
 (1995), 621(11), 1849-55  
 CODEN: ZAACAB; ISSN: 0044-2313  
 PUBLISHER: Barth  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 124:116408  
 IT 2925-27-1P 173066-22-3P 173066-23-4P  
 173066-24-5P 173066-25-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (structure and chemical trifluoroethylene sultone)  
 RN 2925-27-1 CAPLUS  
 CN Acetyl fluoride, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)



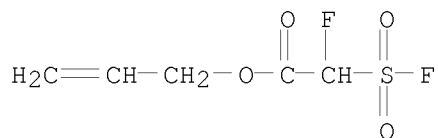
RN 173066-22-3 CAPLUS

CN Acetic acid, 2-fluoro-2-(fluorosulfonyl)-, 2,2,2-trifluoroethyl ester (CA INDEX NAME)



RN 173066-23-4 CAPLUS

CN Acetic acid, 2-fluoro-2-(fluorosulfonyl)-, 2-propen-1-yl ester (CA INDEX NAME)



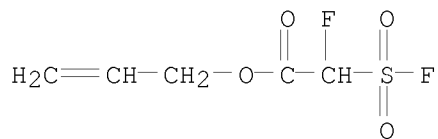
RN 173066-24-5 CAPLUS

CN Acetic acid, fluoro(fluorosulfonyl)-, 2-propenyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

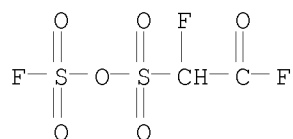
CRN 173066-23-4

CMF C5 H6 F2 O4 S

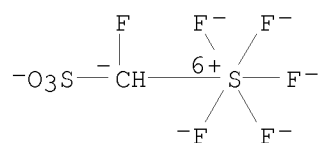


RN 173066-25-6 CAPLUS

CN Ethanesulfonic acid, 1,2-difluoro-2-oxo-, anhydride with fluorosulfuric acid (9CI) (CA INDEX NAME)



L17 ANSWER 141 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1995:687815 CAPLUS  
 DOCUMENT NUMBER: 123:216526  
 ORIGINAL REFERENCE NO.: 123:38217a,38220a  
 TITLE: <sup>13</sup>C NMR of acyclic sulfonated compounds including some  
 fluorosulfonic acids: a chemical shift study  
 AUTHOR(S): Canselier, J. P.; Boyer, J. L.; Castro, V.; Gard, G.  
 L.; Mohtasham, J.; Peyton, D. H.  
 CORPORATE SOURCE: Ecole Nationale Supérieure d'Ingenieurs de Genie  
 Chimique, Toulouse, 31078, Fr.  
 SOURCE: Magnetic Resonance in Chemistry (1995), 33(7), 506-10  
 CODEN: MRCHEG; ISSN: 0749-1581  
 PUBLISHER: Wiley  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 93474-33-0  
 RL: PRP (Properties)  
 (carbon-13 NMR chemical shifts of acyclic sulfonates)  
 RN 93474-33-0 CAPLUS  
 CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, hydrogen, (OC-6-21)-  
 (9CI) (CA INDEX NAME)



● H<sup>+</sup>

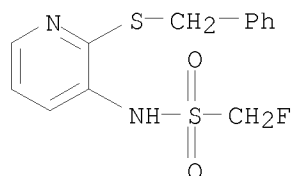
L17 ANSWER 142 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1995:240104 CAPLUS  
 DOCUMENT NUMBER: 122:31553  
 ORIGINAL REFERENCE NO.: 122:6231a,6234a  
 TITLE: Herbicidal 3-[(fluoromethyl)sulfonyl]-2-  
 pyridinesulfonamides  
 INVENTOR(S): Kehne, Heinz; Willms, Lothar; Bauer, Klaus; Bieringer,  
 Hermann  
 PATENT ASSIGNEE(S): Hoechst Schering AgrEvo GmbH, Germany  
 SOURCE: Ger. Offen., 14 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4311787	A1	19941103	DE 1993-4311787	19930409
FR 2703685	A1	19941014	FR 1994-4048	19940407
FR 2703685	B1	19960308		
US 5663118	A	19970902	US 1994-224324	19940407
PRIORITY APPLN. INFO.:			US 1992-859513	A2 19920608
			DE 1993-4311787	A 19930409
OTHER SOURCE(S):	MARPAT	122:31553		
IT 159596-61-9P				

RL: IMF (Industrial manufacture); PEP (Physical, engineering or chemical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)  
(preparation of herbicides [(fluoromethyl)sulfonyl]pyridinesulfonamides)

RN 159596-61-9 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[2-[(phenylmethyl)thio]-3-pyridinyl]- (CA INDEX NAME)



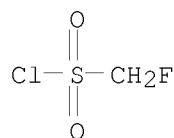
IT 42497-69-8, Fluoromethanesulfonyl chloride

RL: PEP (Physical, engineering or chemical process); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)

(preparation of herbicides [(fluoromethyl)sulfonyl]pyridinesulfonamides)

RN 42497-69-8 CAPLUS

CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



L17 ANSWER 143 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1995:203772 CAPLUS

DOCUMENT NUMBER: 123:198247

ORIGINAL REFERENCE NO.: 123:35381a,35384a

TITLE: Synthesis of halomethanedisulfonyl fluorides

AUTHOR(S): Sartori, Peter; Jueschke, Ralf

CORPORATE SOURCE: Fachbereich 6 Anorganische Chemie

Universitaet-GH-Duisburg, Duisburg, D-47048, Germany

SOURCE: Journal of Fluorine Chemistry (1994), 69(2), 157-62

CODEN: JFLCAR; ISSN: 0022-1139

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 123:198247

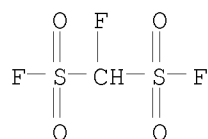
IT 155652-57-6P

RL: BYP (Byproduct); SPN (Synthetic preparation); PREP (Preparation)

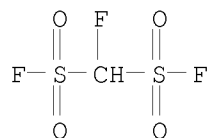
(preparation of halomethanedisulfonyl fluorides)

RN 155652-57-6 CAPLUS

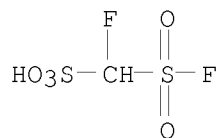
CN Methanedisulfonyl difluoride, 1-fluoro- (CA INDEX NAME)



L17 ANSWER 144 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1994:435381 CAPLUS  
 DOCUMENT NUMBER: 121:35381  
 ORIGINAL REFERENCE NO.: 121:6535a,6538a  
 TITLE: Synthesis and reactions of the  $\beta$ -sultone of  
 perfluorovinylsulfonyl fluoride  
 AUTHOR(S): Forohar, Farhad; DesMarteau, Darryl D.  
 CORPORATE SOURCE: Howard L. Hunter Chem. Lab., Clemson Univ., Clemson,  
 SC, 29634-1905, USA  
 SOURCE: Journal of Fluorine Chemistry (1994), 66(2), 101-4  
 CODEN: JFLCAR; ISSN: 0022-1139  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 121:35381  
 IT 155652-57-6P 155652-58-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 155652-57-6 CAPLUS  
 CN Methanedisulfonyl difluoride, 1-fluoro- (CA INDEX NAME)

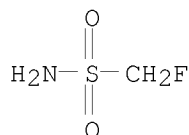


RN 155652-58-7 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-1-(fluorosulfonyl)- (CA INDEX NAME)



L17 ANSWER 145 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1993:641329 CAPLUS  
 DOCUMENT NUMBER: 119:241329  
 ORIGINAL REFERENCE NO.: 119:42763a,42766a  
 TITLE: A new class of carbonic anhydrase inhibitor  
 AUTHOR(S): Maren, Thomas H.; Conroy, Curtis W.  
 CORPORATE SOURCE: Coll. Med., Univ. Florida, Gainesville, FL, 32610, USA  
 SOURCE: Journal of Biological Chemistry (1993), 268(35),  
 26233-9  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 50585-72-3  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); BIOL (Biological study)  
 (carbonic anhydrase inhibitory activity of)  
 RN 50585-72-3 CAPLUS  
 CN Methanesulfonamide, 1-fluoro- (CA INDEX NAME)

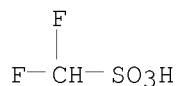




L17 ANSWER 146 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1993:516762 CAPLUS  
 DOCUMENT NUMBER: 119:116762  
 ORIGINAL REFERENCE NO.: 119:20987a,20990a  
 TITLE: Liquid acid alkylation catalyst and isoparaffin:olefin alkylation process  
 INVENTOR(S): Del Rossi, Kenneth J.; Huss, Albin, Jr.  
 PATENT ASSIGNEE(S): Mobil Oil Corp., USA  
 SOURCE: U.S., 5 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

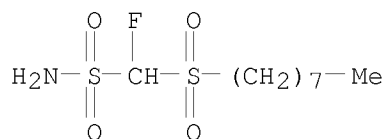
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5196628	A	19930323	US 1991-719277	19910621
US 5292982	A	19940308	US 1992-974550	19921112
PRIORITY APPLN. INFO.:			US 1991-719276	A2 19910621
			US 1991-719277	A2 19910621
			US 1991-761567	A2 19910918
			US 1991-765228	B2 19910925

OTHER SOURCE(S): MARPAT 119:116762  
 IT 40856-07-3, Difluoromethanesulfonic acid  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalyst, for alkylation of isoalkanes with alkenes, effect of vapor suppression by nitro compds. on)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 147 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1993:516746 CAPLUS  
 DOCUMENT NUMBER: 119:116746  
 ORIGINAL REFERENCE NO.: 119:20987a,20990a  
 TITLE: Sulfonylmethanesulfonamide inhibitors of carbonic anhydrase  
 AUTHOR(S): Scholz, Thomas H.; Sondey, John M.; Randall, William C.; Schwam, Harvey; Thompson, Wayne J.; Mallorga, Pierre J.; Sugrue, Michael F.; Graham, Samuel L.  
 CORPORATE SOURCE: Dep. Med. Chem., Merck Res. Lab., West Point, PA, 19486, USA  
 SOURCE: Journal of Medicinal Chemistry (1993), 36(15), 2134-41  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

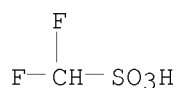
OTHER SOURCE(S): CASREACT 119:116746  
 IT 149526-19-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and carbonic anhydrase inhibitory activity of)  
 RN 149526-19-2 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-1-(octylsulfonyl)- (CA INDEX NAME)



L17 ANSWER 148 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1993:150768 CAPLUS  
 DOCUMENT NUMBER: 118:150768  
 ORIGINAL REFERENCE NO.: 118:25855a,25858a  
 TITLE: Improved liquid acid alkylation catalyst and  
 isoparaffin:olefin alkylation process  
 INVENTOR(S): Del Rossi, Kenneth Joseph; Huss, Albin, Jr.  
 PATENT ASSIGNEE(S): Mobil Oil Corp., USA  
 SOURCE: PCT Int. Appl., 14 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 7  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9300316	A1	19930107	WO 1992-US5201	19920618
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
AU 9222529	A	19930125	AU 1992-22529	19920618
IN 183178	A1	19991002	IN 1997-CA1068	19970606
PRIORITY APPLN. INFO.:			US 1991-719274	A 19910621
			WO 1992-US5201	A 19920618
			IN 1993-CA220	A1 19930416

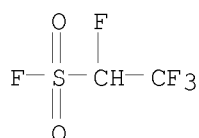
IT 40856-07-3, Difluoromethanesulfonic acid  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalyst containing, for alkylation of isoparaffins with olefins)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 149 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1992:450309 CAPLUS  
 DOCUMENT NUMBER: 117:50309  
 ORIGINAL REFERENCE NO.: 117:8973a,8976a  
 TITLE: Preparation of fluoroalkylsulfonic acid  
 group-containing polymers  
 INVENTOR(S): Watanabe, Hidekazu; Saito, Yasuyo  
 PATENT ASSIGNEE(S): Mitsubishi Kasei K. K., Japan

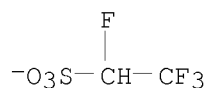
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04057807	A	19920225	JP 1990-169537	19900627
PRIORITY APPLN. INFO.:			JP 1990-169537	19900627
IT 2127-74-4, 1,2,2,2-Tetrafluoroethylsulfonyl fluoride				
RL: RCT (Reactant); RACT (Reactant or reagent)				
(reaction of, with chlorotriethoxysilane)				
RN 2127-74-4 CAPLUS				
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)				



L17 ANSWER 150 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1992:245286 CAPLUS  
 DOCUMENT NUMBER: 116:245286  
 ORIGINAL REFERENCE NO.: 116:41409a,41412a  
 TITLE: Positive-working photoresist composition containing chemical sensitizer  
 INVENTOR(S): Wilpert, Andre; Holfter, Hagen; Bendig, Juergen  
 PATENT ASSIGNEE(S): Humboldt-Universitaet zu Berlin, Germany  
 SOURCE: Ger. (East), 5 pp.  
 CODEN: GEXXA8  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

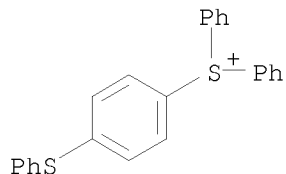
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 295421	A5	19911031	DD 1990-341818	19900619
PRIORITY APPLN. INFO.:			DD 1990-341818	19900619
OTHER SOURCE(S):			MARPAT 116:245286	
IT 141285-40-7				
RL: USES (Uses)				
(pos.-working photoresist composition containing)				
RN 141285-40-7 CAPLUS				
CN Sulfonium, diphenyl[4-(phenylthio)phenyl]-, 1,2,2,2-tetrafluoroethanesulfonate (1:1) (CA INDEX NAME)				
CM 1				
CRN 141285-39-4				
CMF C2 H F4 O3 S				



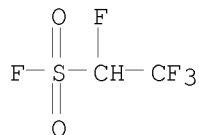
CM 2

CRN 47480-44-4

CMF C24 H19 S2

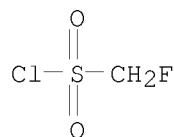


L17 ANSWER 151 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1992:20656 CAPLUS  
 DOCUMENT NUMBER: 116:20656  
 ORIGINAL REFERENCE NO.: 116:3639a,3642a  
 TITLE: Two fluorinated, fluorosulfonyl-containing  
 hypochlorites and their alkali-metal precursors  
 AUTHOR(S): Storzer, Werner; DesMarteau, Darryl D.  
 CORPORATE SOURCE: H. L. Hunter Chem. Lab., Clemson Univ., Clemson, SC,  
 29634-1905, USA  
 SOURCE: Inorganic Chemistry (1991), 30(25), 4821-6  
 CODEN: INOCAJ; ISSN: 0020-1669  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 116:20656  
 IT 2127-74-4P,  $\alpha$ -Hydroperfluoroethanesulfonyl fluoride  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)

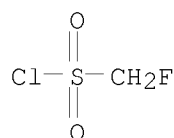


L17 ANSWER 152 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1992:20655 CAPLUS  
 DOCUMENT NUMBER: 116:20655  
 ORIGINAL REFERENCE NO.: 116:3639a,3642a  
 TITLE: Improved synthesis of fluoromethanesulfonyl chloride  
 [Erratum to document cited in CA115(9):91629u]  
 AUTHOR(S): Lange, Ulla; Senning, Alexander  
 CORPORATE SOURCE: Dep. Chem., Univ. Aarhus, Aarhus, DK-8000, Den.  
 SOURCE: Chemische Berichte (1991), 124(10), 2378  
 CODEN: CHBEAM; ISSN: 0009-2940  
 DOCUMENT TYPE: Journal

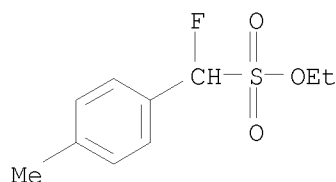
LANGUAGE: English  
IT 42497-69-8P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, from chlorobenzyl chloromethyl sulfide (Erratum))  
RN 42497-69-8 CAPLUS  
CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



L17 ANSWER 153 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1991:491629 CAPLUS  
DOCUMENT NUMBER: 115:91629  
ORIGINAL REFERENCE NO.: 115:15747a,15750a  
TITLE: Improved synthesis of fluoromethanesulfonyl chloride  
AUTHOR(S): Lange, Ulla; Senning, Alexander  
CORPORATE SOURCE: Dep. Chem., Univ. Aarhus, Aarhus, DK-8000, Den.  
SOURCE: Chemische Berichte (1991), 124(8), 1879-80  
CODEN: CHBEAM; ISSN: 0009-2940  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 115:91629  
IT 42497-69-8P, Fluoromethanesulfonyl chloride  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, from chlorobenzyl chloromethyl sulfide)  
RN 42497-69-8 CAPLUS  
CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



L17 ANSWER 154 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1991:480777 CAPLUS  
DOCUMENT NUMBER: 115:80777  
ORIGINAL REFERENCE NO.: 115:13763a,13766a  
TITLE: Regioselectivity of anodic fluorination of benzyl derivatives  
AUTHOR(S): Laurent, Eliane; Marquet, Bernard; Tardivel, Robert  
CORPORATE SOURCE: Lab. Chim. Org., UCB-LYON I, Villeurbanne, 69622, Fr.  
SOURCE: Tetrahedron (1991), 47(24), 3969-80  
CODEN: TETRAB; ISSN: 0040-4020  
DOCUMENT TYPE: Journal  
LANGUAGE: French  
OTHER SOURCE(S): CASREACT 115:80777  
IT 135420-02-9P  
RL: FORM (Formation, nonpreparative); PREP (Preparation)  
(formation of, in electrochem. fluorination, regioselectivity in)  
RN 135420-02-9 CAPLUS  
CN Benzenemethanesulfonic acid,  $\alpha$ -fluoro-4-methyl-, O-ethyl ester (CA INDEX NAME)



L17 ANSWER 155 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:122704 CAPLUS

DOCUMENT NUMBER: 114:122704

ORIGINAL REFERENCE NO.: 114:20913a,20916a

TITLE: Preparation of sulfo-containing fluoroalkylphosphonic acid derivatives as electrolytes for fuel cells

INVENTOR(S): Burton, Donald J.; Guneratne, Ramil; Cen, Wenbiao; Kirchmeier, Robert L.; Modak, Anil S.; Sanderson, William Anthony; Shreeve, Jeanne M.; Su, Debao

PATENT ASSIGNEE(S): Gas Research Institute, USA

SOURCE: PCT Int. Appl., 27 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9007513	A1	19900712	WO 1990-US55	19900103
W: AU, BR, CA, FI, JP, KR, NO, SU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
JP 02184693	A	19900719	JP 1989-22467	19890131
CA 2045151	A1	19900704	CA 1990-2045151	19900103
AU 9048421	A	19900801	AU 1990-48421	19900103
EP 453484	A1	19911030	EP 1990-902058	19900103
R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
PRIORITY APPLN. INFO.:			US 1989-290394	A 19890103
			WO 1990-US55	A 19900103

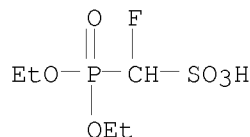
OTHER SOURCE(S): MARPAT 114:122704

IT 124213-50-9P 124213-51-0P 124213-52-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as electrolyte)

RN 124213-50-9 CAPLUS

CN Methanesulfonic acid, 1-(diethoxyphosphinyl)-1-fluoro-, sodium salt (1:1)  
(CA INDEX NAME)

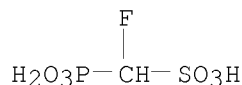


● Na

RN 124213-51-0 CAPLUS

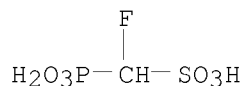
CN Methanesulfonic acid, 1-fluoro-1-phosphono-, sodium salt (1:1) (CA INDEX

NAME)

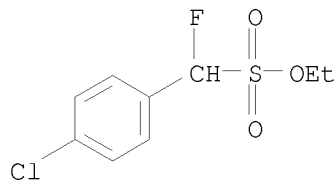


● Na

RN 124213-52-1 CAPLUS  
CN Methanesulfonic acid, 1-fluoro-1-phosphono- (CA INDEX NAME)



L17 ANSWER 156 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1990:640123 CAPLUS  
DOCUMENT NUMBER: 113:240123  
ORIGINAL REFERENCE NO.: 113:40326h, 40327a  
TITLE: Electrochemical fluorination of a benzylic position in  
sulfolane solvent  
AUTHOR(S): Laurent, Eliane; Marquet, Bernard; Tardivel, Robert  
CORPORATE SOURCE: Lab. Chim. Org. 3, Univ. Claude Bernard-Lyon I,  
Villeurbanne, 69622, Fr.  
SOURCE: Journal of Fluorine Chemistry (1990), 49(1), 115-26  
CODEN: JFLCAR; ISSN: 0022-1139  
DOCUMENT TYPE: Journal  
LANGUAGE: French  
IT 130754-26-6P  
RL: PREP (Preparation)  
(preparation of, by electrochem. fluorination of benzylic derivative in  
sulfolane)  
RN 130754-26-6 CAPLUS  
CN Benzenemethanesulfonic acid, 4-chloro- $\alpha$ -fluoro-, ethyl ester (CA  
INDEX NAME)

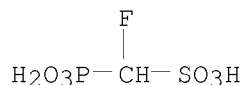


L17 ANSWER 157 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1990:615246 CAPLUS  
DOCUMENT NUMBER: 113:215246  
ORIGINAL REFERENCE NO.: 113:36337a, 36340a  
TITLE: Acid catalyzed process  
INVENTOR(S): King, David L.; Cooper, Michael D.; Ushiba, Ken K.;  
Sanderson, William A.  
PATENT ASSIGNEE(S): Catalytica, Inc., USA  
SOURCE: PCT Int. Appl., 36 pp.

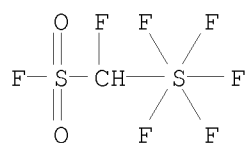
CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9007480	A1	19900712	WO 1990-US54	19900103
W: AU, BR, CA, FI, JP, KR, NO, SU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
AU 9049556	A	19900801	AU 1990-49556	19900103
EP 452411	A1	19911023	EP 1990-902427	19900103
R: BE, DE, FR, GB, IT, NL				
JP 04504568	T	19920813	JP 1990-502438	19900103
PRIORITY APPLN. INFO.:			US 1989-293107	A 19890103
			WO 1990-US54	A 19900103

OTHER SOURCE(S): MARPAT 113:215246  
 IT 124213-52-1P  
 RL: PREP (Preparation)  
 (preparation of, for catalyst manufacture, in acid catalyzed processes)  
 RN 124213-52-1 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-1-phosphono- (CA INDEX NAME)



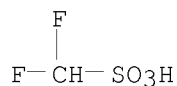
L17 ANSWER 158 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1990:611337 CAPLUS  
 DOCUMENT NUMBER: 113:211337  
 ORIGINAL REFERENCE NO.: 113:35699a,35702a  
 TITLE: (Pentafluoro- $\lambda$ 6-sulfanyl)difluoromethanesulfonyl fluoride and derivatives  
 AUTHOR(S): Gard, Gary L.; Waterfeld, A.; Mews, R.; Mohtasham, J.; Winter, R.  
 CORPORATE SOURCE: Inst. Anorg. Phys. Chem., Univ. Bremen, Bremen, D-2800/33, Germany  
 SOURCE: Inorganic Chemistry (1990), 29(22), 4588-90  
 CODEN: INOCAJ; ISSN: 0020-1669  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 93502-89-7  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (fluorination of)  
 RN 93502-89-7 CAPLUS  
 CN Sulfur, pentafluoro[fluoro(fluorosulfonyl)methyl]-, (OC-6-21)- (9CI) (CA INDEX NAME)





L17 ANSWER 159 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

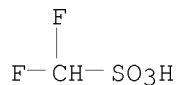
ACCESSION NUMBER: 1990:590706 CAPLUS  
DOCUMENT NUMBER: 113:190706  
ORIGINAL REFERENCE NO.: 113:32269a,32272a  
TITLE: Difluoromethanesulfonic acid. Part II. A two-step route to the free acid from monohydrated sodium difluoromethanesulfonate  
AUTHOR(S): Langlois, Bernard R.  
CORPORATE SOURCE: Rhone-Poulenc Res. Cent., Saint-Fons, F-69192, Fr.  
SOURCE: Journal of Fluorine Chemistry (1990), 48(2), 293-305  
CODEN: JFLCAR; ISSN: 0022-1139  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 113:190706  
IT 130203-05-3  
RL: PROC (Process)  
(conversion of, to difluoromethanesulfonic acid monohydrate)  
RN 130203-05-3 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, sodium salt, hydrate (1:1:1) (CA INDEX NAME)



● Na

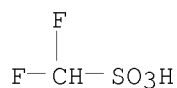
● H<sub>2</sub>O

IT 130203-06-4P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and dehydration of)  
RN 130203-06-4 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, hydrate (1:1) (CA INDEX NAME)

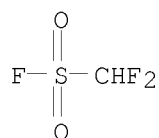


● H<sub>2</sub>O

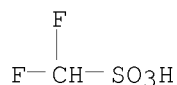
IT 40856-07-3P, Difluoromethanesulfonic acid  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 40856-07-3 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 160 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1990:531533 CAPLUS  
 DOCUMENT NUMBER: 113:131533  
 ORIGINAL REFERENCE NO.: 113:22335a,22338a  
 TITLE: An improved method for synthesizing  
 difluoromethanesulfonic acid  
 AUTHOR(S): Chen, Qingyun; Wu, Shengwen  
 CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sin., Shanghai,  
 200032, Peop. Rep. China  
 SOURCE: Journal of Fluorine Chemistry (1990), 47(3), 509-14  
 CODEN: JFLCAR; ISSN: 0022-1139  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 113:131533  
 IT 1554-47-8P, Difluoromethanesulfonyl fluoride  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and hydrolysis of)  
 RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)

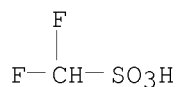


IT 40856-07-3P, Difluoromethanesulfonic acid  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



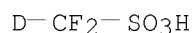
L17 ANSWER 161 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1990:458453 CAPLUS  
 DOCUMENT NUMBER: 113:58453  
 ORIGINAL REFERENCE NO.: 113:9882h,9883a  
 TITLE: Difluoromethanesulfonic acid. I. An improved route  
 to sodium difluoromethanesulfonate  
 AUTHOR(S): Langlois, Bernard R.  
 CORPORATE SOURCE: Rhone-Poulenc Res. Cent., Saint-Fons, F-69192, Fr.  
 SOURCE: Journal of Fluorine Chemistry (1990), 46(3), 407-21  
 CODEN: JFLCAR; ISSN: 0022-1139  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 113:58453

IT 2795-52-0P, Sodium difluoromethanesulfonate 128237-32-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 2795-52-0 CAPLUS  
 CN Methanesulfonic acid, difluoro-, sodium salt (6CI, 8CI, 9CI) (CA INDEX NAME)



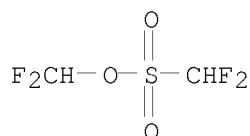
● Na

RN 128237-32-1 CAPLUS  
 CN Methane-d-sulfonic acid, difluoro-, sodium salt (9CI) (CA INDEX NAME)



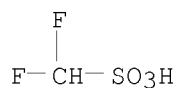
● Na

L17 ANSWER 162 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1990:157795 CAPLUS  
 DOCUMENT NUMBER: 112:157795  
 ORIGINAL REFERENCE NO.: 112:26667a,26670a  
 TITLE: Perfluoro- and polyfluorosulfonic acids. 21.  
 Synthesis of difluoromethyl esters using  
 fluorosulfonyldifluoroacetic acid as a difluorocarbene  
 precursor [Erratum to document cited in  
 CA111(3):23174j]  
 AUTHOR(S): Chen, Qingyun; Wu, Shengwen  
 CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sin., Shanghai, Peop.  
 Rep. China  
 SOURCE: Journal of Organic Chemistry (1989), 54(26), 6140  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 101817-80-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of (Erratum))  
 RN 101817-80-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, difluoromethyl ester (CA INDEX NAME)



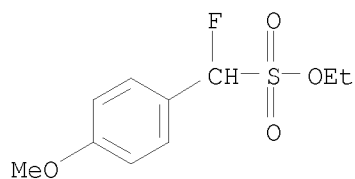
IT 2795-52-0  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with fluorosulfonyldifluoroacetic acid, alkanesulfonate)

by (Erratum))  
 RN 2795-52-0 CAPLUS  
 CN Methanesulfonic acid, difluoro-, sodium salt (6CI, 8CI, 9CI) (CA INDEX NAME)



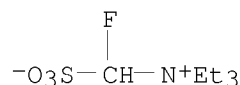
● Na

L17 ANSWER 163 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1990:118337 CAPLUS  
 DOCUMENT NUMBER: 112:118337  
 ORIGINAL REFERENCE NO.: 112:20031a, 20034a  
 TITLE: Electrochemical mono- and difluorination of benzylic groups  
 AUTHOR(S): Laurent, Eliane; Marquet, Bernard; Tardivel, Robert  
 CORPORATE SOURCE: Univ. Claude Bernard, Villeurbanne, 69622, Fr.  
 SOURCE: Tetrahedron (1989), 45(14), 4431-44  
 CODEN: TETRAB; ISSN: 0040-4020  
 DOCUMENT TYPE: Journal  
 LANGUAGE: French  
 OTHER SOURCE(S): CASREACT 112:118337  
 IT 125575-27-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 125575-27-1 CAPLUS  
 CN Benzenemethanesulfonic acid,  $\alpha$ -fluoro-4-methoxy-, O-ethyl ester (CA INDEX NAME)

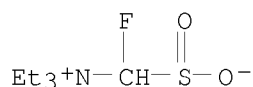


L17 ANSWER 164 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1990:118217 CAPLUS  
 DOCUMENT NUMBER: 112:118217  
 ORIGINAL REFERENCE NO.: 112:20011a, 20014a  
 TITLE: Inverse amine-stabilized sulfenes F2C:SO2 and FHC:SO2  
 AUTHOR(S): Pritzkow, Hans; Rall, Klaus; Reimann-Andersen, Stefan; Sundermeyer, Wolfgang  
 CORPORATE SOURCE: Anorg. Chem. Inst., Univ. Heidelberg, Heidelberg, D-6900/1, Germany  
 SOURCE: Angewandte Chemie (1990), 102(1), 80-1  
 CODEN: ANCEAD; ISSN: 0044-8249  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 OTHER SOURCE(S): CASREACT 112:118217  
 IT 124481-52-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)

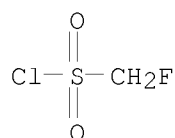
(preparation of)  
 RN 124481-52-3 CAPLUS  
 CN Ethanaminium, N,N-diethyl-N-(fluorosulfomethyl)-, inner salt (CA INDEX NAME)



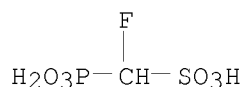
IT 124462-75-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation, oxidation, and x-ray anal. of)  
 RN 124462-75-5 CAPLUS  
 CN Ethanaminium, N,N-diethyl-N-(fluorosulfinomethyl)-, inner salt (CA INDEX NAME)



IT 42497-69-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with triethylamine)  
 RN 42497-69-8 CAPLUS  
 CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)

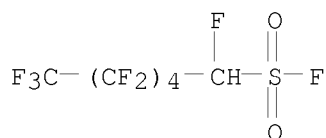


L17 ANSWER 165 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1990:39728 CAPLUS  
 DOCUMENT NUMBER: 112:39728  
 ORIGINAL REFERENCE NO.: 112:6819a,6822a  
 TITLE: Improved acid electrolytes for fuel cells. Final report July 1985-January 1989  
 AUTHOR(S): Shreeve, J. M.  
 CORPORATE SOURCE: Dep. Chem., Univ. Idaho, Moscow, ID, USA  
 SOURCE: Report (1989), GRI-89/0026; Order No. PB89-173629, 38 pp. Avail.: NTIS  
 From: Gov. Rep. Announce. Index (U. S.) 1989, 89(13), Abstr. No. 934,592  
 DOCUMENT TYPE: Report  
 LANGUAGE: English  
 IT 124213-52-1P  
 RL: PREP (Preparation)  
 (preparation and characterization and use of, as electrolytes, for fuel cells)  
 RN 124213-52-1 CAPLUS  
 CN Methanesulfonic acid, 1-fluoro-1-phosphono- (CA INDEX NAME)



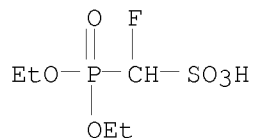
L17 ANSWER 166 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1990:38720 CAPLUS  
 DOCUMENT NUMBER: 112:38720  
 ORIGINAL REFERENCE NO.: 112:6673a,6676a  
 TITLE: Preparation of N-(fluoroalkanoyl)- and  
 N-(fluoroalkylsulfonyl)iminobispolyoxyalkylenes for  
 use as surfactants  
 INVENTOR(S): Gross, Udo; Holzbauer, Hans Reiner  
 PATENT ASSIGNEE(S): Akademie der Wissenschaften der DDR, Ger. Dem. Rep.  
 SOURCE: Ger. (East), 12 pp.  
 CODEN: GEXXA8  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 265398	A1	19890301	DD 1987-300371	19870302
PRIORITY APPLN. INFO.:			DD 1987-300371	19870302
OTHER SOURCE(S):		CASREACT 112:38720; MARPAT 112:38720		
IT 124353-35-1				
RL: RCT (Reactant); RACT (Reactant or reagent) (amidation of, by diethanolamine)				
RN 124353-35-1 CAPLUS				
CN 1-Hexanesulfonyl fluoride, 1,2,2,3,3,4,4,5,5,6,6,6-dodecafluoro- (CA INDEX NAME)				



L17 ANSWER 167 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1990:21062 CAPLUS  
 DOCUMENT NUMBER: 112:21062  
 ORIGINAL REFERENCE NO.: 112:3699a,3702a  
 TITLE: Synthesis of fluorinated phosphonic, sulfonic, and  
 mixed phosphonic/sulfonic acids  
 AUTHOR(S): Su, Debao; Cen, Wenbiao; Kirchmeier, Robert L.;  
 Shreeve, Jeanne M.  
 CORPORATE SOURCE: Dep. Chem., Univ. Idaho, Moscow, ID, 83843, USA  
 SOURCE: Canadian Journal of Chemistry (1989), 67(11), 1795-9  
 CODEN: CJCHAG; ISSN: 0008-4042  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 112:21062  
 IT 124213-50-9P 124213-51-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and acid hydrolysis of)  
 RN 124213-50-9 CAPLUS

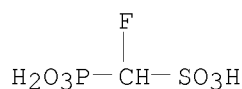
CN Methanesulfonic acid, 1-(diethoxyphosphinyl)-1-fluoro-, sodium salt (1:1)  
(CA INDEX NAME)



● Na

RN 124213-51-0 CAPLUS

CN Methanesulfonic acid, 1-fluoro-1-phosphono-, sodium salt (1:1) (CA INDEX NAME)



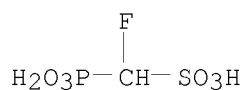
● Na

IT 124213-52-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and titration of)

RN 124213-52-1 CAPLUS

CN Methanesulfonic acid, 1-fluoro-1-phosphono- (CA INDEX NAME)



L17 ANSWER 168 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1989:594638 CAPLUS

DOCUMENT NUMBER: 111:194638

ORIGINAL REFERENCE NO.: 111:32351a,32354a

TITLE: Sulfur trioxidation of acyclic fluoroallyl ethers:  
synthesis of new fluorinated sultones and their  
derivatives

AUTHOR(S): Mohtasham, Javid; Brennen, Marie; Yu, Zhongheng;  
Adcock, James L.; Gard, Gary L.

CORPORATE SOURCE: Dep. Chem., Univ. Tennessee, Knoxville, TN,  
37996-1600, USA

SOURCE: Journal of Fluorine Chemistry (1989), 43(3), 349-69  
CODEN: JFLCAR; ISSN: 0022-1139

DOCUMENT TYPE: Journal

LANGUAGE: English

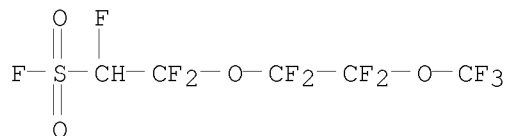
OTHER SOURCE(S): CASREACT 111:194638

IT 123365-68-4P 123365-69-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

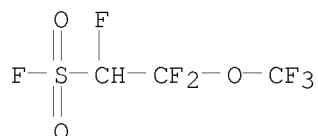
RN 123365-68-4 CAPLUS

CN Ethanesulfonyl fluoride, 1,2,2-trifluoro-2-[1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethoxy]- (CA INDEX NAME)



RN 123365-69-5 CAPLUS

CN Ethanesulfonyl fluoride, 1,2,2-trifluoro-2-(trifluoromethoxy)- (CA INDEX NAME)



L17 ANSWER 169 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1989:423422 CAPLUS

DOCUMENT NUMBER: 111:23422

ORIGINAL REFERENCE NO.: 111:4077a

TITLE: The synthesis of new bis/mono fluorinated sultones and their derivatives

AUTHOR(S): Mohtasham, J.; Cox, D. G.; Burton, D. J.; Gard, G. L.

CORPORATE SOURCE: Dep. Chem., Univ. Iowa, Iowa City, IA, 52242, USA

SOURCE: Journal of Fluorine Chemistry (1989), 42(1), 119-36

CODEN: JFLCAR; ISSN: 0022-1139

DOCUMENT TYPE: Journal

LANGUAGE: English

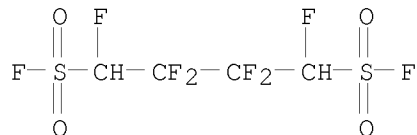
OTHER SOURCE(S): CASREACT 111:23422

IT 90127-84-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 90127-84-7 CAPLUS

CN 1,4-Butanedisulfonyl difluoride, 1,2,2,3,3,4-hexafluoro- (CA INDEX NAME)



L17 ANSWER 170 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1989:423174 CAPLUS

DOCUMENT NUMBER: 111:23174

ORIGINAL REFERENCE NO.: 111:4025a,4028a

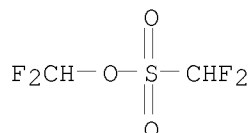
TITLE: Perfluoro- and polyfluorosulfonic acids. 21. Synthesis of difluoromethyl esters using fluorosulfonyldifluoroacetic acid as a difluorocarbene precursor

AUTHOR(S): Chen, Qingyun; Wu, Shengwen

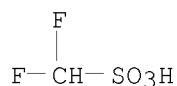
CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sin., Shanghai, Peop.



SOURCE: Rep. China  
 Journal of Organic Chemistry (1989), 54(13), 3023-7  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 111:23174  
 IT 101817-80-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 101817-80-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, difluoromethyl ester (CA INDEX NAME)



IT 2795-52-0  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with fluorosulfonyldifluoroacetic acid, alkanesulfonate  
 by)  
 RN 2795-52-0 CAPLUS  
 CN Methanesulfonic acid, difluoro-, sodium salt (6CI, 8CI, 9CI) (CA INDEX  
 NAME)



● Na

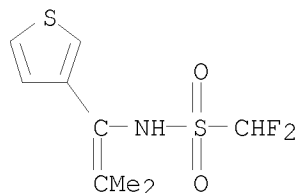
L17 ANSWER 171 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1989:114313 CAPLUS  
 DOCUMENT NUMBER: 110:114313  
 ORIGINAL REFERENCE NO.: 110:18836h,18837a  
 TITLE: Preparation of haloalkylsulfonamide derivatives as  
 herbicides and fungicides  
 INVENTOR(S): Kato, Shozo; Igami, Satoyoshi; Ogasawara, Masaru  
 PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63150258	A	19880622	JP 1986-294783	19861212
JP 06049676	B	19940629		
PRIORITY APPLN. INFO.:			JP 1986-294783	19861212
OTHER SOURCE(S):	MARPAT 110:114313			
IT 117854-69-0P 117854-74-7P				
RL: BAC (Biological activity or effector, except adverse); BSU (Biological				

study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of, as herbicide and fungicide)

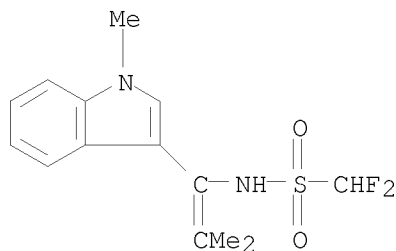
RN 117854-69-0 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-[2-methyl-1-(3-thienyl)-1-propen-1-yl]-  
(CA INDEX NAME)



RN 117854-74-7 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-[2-methyl-1-(1-methyl-1H-indol-3-yl)-1-propen-1-yl]- (CA INDEX NAME)



L17 ANSWER 172 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1988:454282 CAPLUS

DOCUMENT NUMBER: 109:54282

ORIGINAL REFERENCE NO.: 109:9143a,9146a

TITLE: Fluoroalkenylation of 1-H-tetrafluoroethanesulfonyl fluoride

AUTHOR(S): Benda, A. F.; Sizov, A. Yu.; Ermolov, A. F.; Eleev, A. F.; Sokol'skii, G. A.

CORPORATE SOURCE: USSR

SOURCE: Zhurnal Organicheskoi Khimii (1987), 23(11), 2293-7

CODEN: ZORKAE; ISSN: 0514-7492

DOCUMENT TYPE: Journal

LANGUAGE: Russian

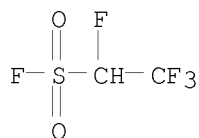
OTHER SOURCE(S): CASREACT 109:54282

IT 2127-74-4, 1,2,2,2-Tetrafluoroethanesulfonyl fluoride

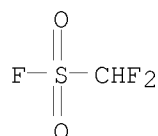
RL: RCT (Reactant); RACT (Reactant or reagent)  
(fluoroalkenylation of)

RN 2127-74-4 CAPLUS

CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



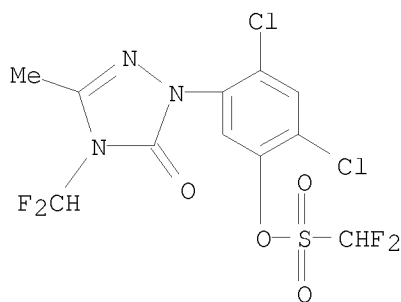
L17 ANSWER 173 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1988:149873 CAPLUS  
 DOCUMENT NUMBER: 108:149873  
 ORIGINAL REFERENCE NO.: 108:24589a,24592a  
 TITLE: Perfluoro- and polyfluorosulfonic acids. (XV).  
 Generation of difluorocarbene and  
 (fluorosulfonyl)difluoromethide ion from methyl  
 $\alpha$ -(fluorosulfonyl)difluoroacetate  
 AUTHOR(S): Chen, Qingyun; Zhu, Shizeng  
 CORPORATE SOURCE: Shanghai Inst. Org. Chem., Academia Sinica, Shanghai,  
 Peop. Rep. China  
 SOURCE: Scientia Sinica, Series B: Chemical, Biological,  
 Agricultural, Medical & Earth Sciences (English  
 Edition) (1987), 30(6), 561-71  
 CODEN: SSBSEF; ISSN: 0253-5823  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 1554-47-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



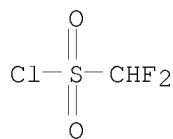
L17 ANSWER 174 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1988:94570 CAPLUS  
 DOCUMENT NUMBER: 108:94570  
 ORIGINAL REFERENCE NO.: 108:15559a,15562a  
 TITLE: Preparation of [(sulfonyloxy)aryl]triazolinones and  
 -thiones as herbicides  
 INVENTOR(S): Maravetz, Lester L.  
 PATENT ASSIGNEE(S): FMC Corp. , USA  
 SOURCE: U.S., 20 pp. Cont.-in-part of U.S. Ser. No. 650,755,  
 abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 6  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 4705557	A	19871110	US 1986-829541	19860210
US 4919708	A	19900424	US 1989-372207	19890626
PRIORITY APPLN. INFO.:			US 1983-533013	A2 19830915
			US 1984-650755	A2 19840913
			US 1983-541596	B2 19831013
			US 1984-655960	B2 19840928
			US 1984-666933	B2 19841031
			US 1985-697619	B2 19850204
			US 1986-825520	B1 19860203
			US 1987-102303	B1 19870925
OTHER SOURCE(S):			CASREACT 108:94570	

IT 113048-52-5P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)  
 RN 113048-52-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl ester (CA INDEX NAME)

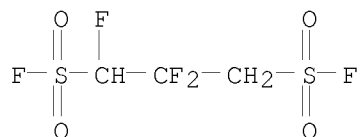


IT 1512-30-7, Difluoromethanesulfonyl chloride  
 RL: RCT (Reactant); RACT (Reactant or reagent) (sulfonylation by, of (hydroxyphenyl)triazolinone derivative, in preparation of herbicide)  
 RN 1512-30-7 CAPLUS  
 CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



L17 ANSWER 175 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1987:515228 CAPLUS  
 DOCUMENT NUMBER: 107:115228  
 ORIGINAL REFERENCE NO.: 107:18663a,18666a  
 TITLE: The electrochemical perfluorination (ECPF) of propanesulfonyl fluorides. Part I. Preparation and ECPF of 1-propanesulfonyl fluoride and 1,3-propanedisulfonyl difluoride  
 AUTHOR(S): Hollitzer, E.; Sartori, P.  
 CORPORATE SOURCE: Fachgebiet Anorg. Chem., Univ.-Gesamthochsch.-Duisburg, Duisburg, 4100/1, Fed. Rep. Ger.  
 SOURCE: Journal of Fluorine Chemistry (1987), 35(2), 329-41  
 CODEN: JFLCAR; ISSN: 0022-1139  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 107:115228  
 IT 110073-93-3P, 1,2,2-Trifluoro-1,3-propanedisulfonyl difluoride  
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and fluorine NMR spectrum of)  
 RN 110073-93-3 CAPLUS

CN 1,3-Propanedisulfonyl difluoride, 1,2,2-trifluoro- (CA INDEX NAME)

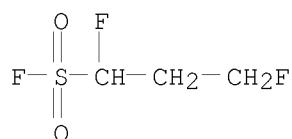


IT 110073-99-9P, 1,3-Difluoro-1-propanesulfonyl fluoride

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 110073-99-9 CAPLUS

CN 1-Propanesulfonyl fluoride, 1,3-difluoro- (CA INDEX NAME)



L17 ANSWER 176 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1987:422939 CAPLUS

DOCUMENT NUMBER: 107:22939

ORIGINAL REFERENCE NO.: 107:3871a,3874a

TITLE: Dehydrofluorination of polyfluoroalkylsulfonyl  
fluorides

AUTHOR(S): Benda, A. F.; Eleev, A. F.; Ermolov, A. F.;  
Sokol'skii, G. A.

CORPORATE SOURCE: USSR

SOURCE: Zhurnal Organicheskoi Khimii (1986), 22(9), 1842-7  
CODEN: ZORKAE; ISSN: 0514-7492

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 107:22939

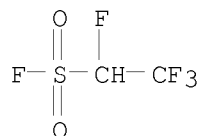
IT 2127-74-4

RL: RCT (Reactant); RACT (Reactant or reagent)

(dehydrofluorination of, dimeric fluoroalkenylsulfonyl fluoride by)

RN 2127-74-4 CAPLUS

CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



IT 98238-70-1P 98238-71-2P 98238-72-3P

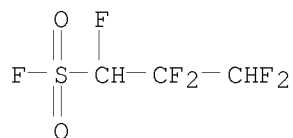
108858-10-2P

RL: SPN (Synthetic preparation); PREP (Preparation)

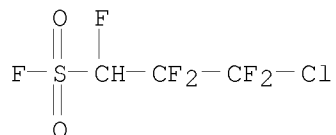
(preparation, fluorine-19 NMR, and dehydrofluorination of,  
fluoroalkenylsulfonyl fluoride by)

RN 98238-70-1 CAPLUS

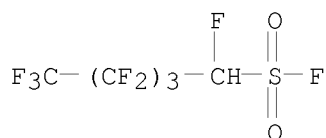
CN 1-Propanesulfonyl fluoride, 1,2,2,3,3-pentafluoro- (CA INDEX NAME)



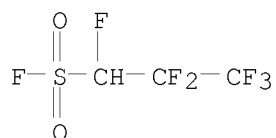
RN 98238-71-2 CAPLUS  
CN 1-Propanesulfonyl fluoride, 3-chloro-1,2,2,3,3-pentafluoro- (CA INDEX NAME)



RN 98238-72-3 CAPLUS  
CN 1-Pentanesulfonyl fluoride, 1,2,2,3,3,4,4,5,5,5-decafluoro- (CA INDEX NAME)

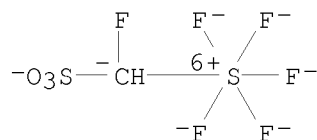


RN 108858-10-2 CAPLUS  
CN 1-Propanesulfonyl fluoride, 1,2,2,3,3,3-hexafluoro- (CA INDEX NAME)

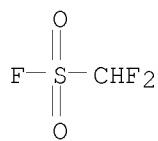


L17 ANSWER 177 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1987:159516 CAPLUS  
DOCUMENT NUMBER: 106:159516  
ORIGINAL REFERENCE NO.: 106:25931a,25934a  
TITLE: Fuel cell reactions in super acid electrolytes. June 1982-December 1985  
AUTHOR(S): O'Grady, W. E.  
CORPORATE SOURCE: Brookhaven Natl. Lab., Upton, NY, USA  
SOURCE: Report (1986), CRI-86/0058; Order No. PB86-201084/GAR, 95 pp. Avail.: NTIS  
From: Gov. Rep. Announce. Index (U. S.) 1986, 86(16), Abstr. No. 636,005  
DOCUMENT TYPE: Report  
LANGUAGE: English  
IT 93474-33-0  
RL: USES (Uses)  
(electrolytes, evaluation of, for fuel cells)  
RN 93474-33-0 CAPLUS  
CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, hydrogen, (OC-6-21)-

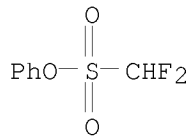
(9CI) (CA INDEX NAME)



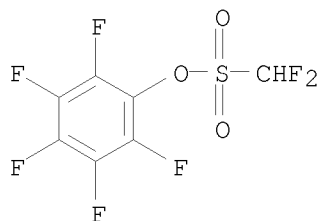
L17 ANSWER 178 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1987:119251 CAPLUS  
DOCUMENT NUMBER: 106:119251  
ORIGINAL REFERENCE NO.: 106:19471a,19474a  
TITLE: Perfluoro- and polyfluorosulfonic acids. XX. Reactions of difluoromethyl difluoromethanesulfonate with nucleophiles  
AUTHOR(S): Chen, Qingyun; Zhu, Shizheng  
CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sin., Shanghai, Peop. Rep. China  
SOURCE: Huaxue Xuebao (1986), 44(8), 812-16  
CODEN: HHHPA4; ISSN: 0567-7351  
DOCUMENT TYPE: Journal  
LANGUAGE: Chinese  
OTHER SOURCE(S): CASREACT 106:119251  
IT 1554-47-8P 95509-80-1P 104723-54-8P  
RL: FORM (Formation, nonpreparative); PREP (Preparation)  
(formation of, in nucleophilic reaction of difluoromethyl difluoromethanesulfonate)  
RN 1554-47-8 CAPLUS  
CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



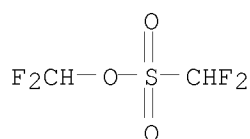
RN 95509-80-1 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, phenyl ester (CA INDEX NAME)



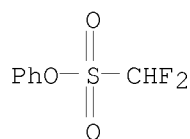
RN 104723-54-8 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, 2,3,4,5,6-pentafluorophenyl ester  
(CA INDEX NAME)



IT 101817-80-5  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (nucleophilic reaction of)  
 RN 101817-80-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, difluoromethyl ester (CA INDEX NAME)

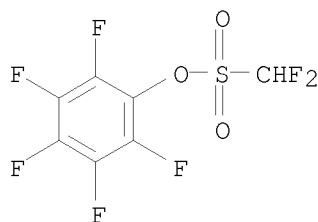


L17 ANSWER 179 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1987:119250 CAPLUS  
 DOCUMENT NUMBER: 106:119250  
 ORIGINAL REFERENCE NO.: 106:19470h,19471a  
 TITLE: Perfluoro- and polyfluoroalkanesulfonic acids. XIX.  
 Effect of reaction conditions on the formation of  
 difluorocarbene from difluoromethanesulfonyl fluoride  
 AUTHOR(S): Chen, Qingyun; Zhu, Shizheng  
 CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sin., Shanghai, Peop.  
 Rep. China  
 SOURCE: Huaxue Xuebao (1986), 44(7), 742-5  
 CODEN: HHHPA4; ISSN: 0567-7351  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Chinese  
 OTHER SOURCE(S): CASREACT 106:119250  
 IT 95509-80-1P 104723-54-8P  
 RL: FORM (Formation, nonpreparative); PREP (Preparation)  
 (formation of, in nucleophilic reaction of difluoromethanesulfonyl  
 fluoride)  
 RN 95509-80-1 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, phenyl ester (CA INDEX NAME)

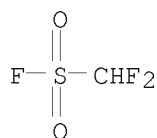


RN 104723-54-8 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 2,3,4,5,6-pentafluorophenyl ester  
 (CA INDEX NAME)

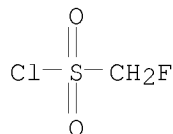




IT 1554-47-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (nucleophilic reaction of)  
 RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



L17 ANSWER 180 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1986:590620 CAPLUS  
 DOCUMENT NUMBER: 105:190620  
 ORIGINAL REFERENCE NO.: 105:30751a,30754a  
 TITLE: Preparation and reaction of sulfines with  
 1,8-bis(dimethylamino)naphthalene  
 AUTHOR(S): Opitz, Gunter; Rieth, Karlheinz; Rimmler, Goesta  
 CORPORATE SOURCE: Org.-Chem. Inst., Univ. Heidelberg, Heidelberg,  
 D-6900, Fed. Rep. Ger.  
 SOURCE: Tetrahedron Letters (1986), 27(2), 167-70  
 CODEN: TELEAY; ISSN: 0040-4039  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 OTHER SOURCE(S): CASREACT 105:190620  
 IT 42497-69-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (sulfinylation by, of bis(dimethylamino)naphthalene)  
 RN 42497-69-8 CAPLUS  
 CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



L17 ANSWER 181 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1986:573286 CAPLUS  
 DOCUMENT NUMBER: 105:173286  
 ORIGINAL REFERENCE NO.: 105:27939a,27942a  
 TITLE: Aromatic polyketones  
 INVENTOR(S): Yoneda, Norihiko; Fukuhara, Tsuyoshi; Nozawa, Seiichi  
 PATENT ASSIGNEE(S): Mitsubishi Chemical Industries Co., Ltd., Japan

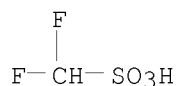
SOURCE: Ger. Offen., 11 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3542481	A1	19860619	DE 1985-3542481	19851130
JP 61138627	A	19860626	JP 1984-261531	19841211
JP 61223028	A	19861003	JP 1985-64287	19850328
US 4707536	A	19871117	US 1985-804615	19851205
GB 2168064	A	19860611	GB 1985-30404	19851210
GB 2168064	B	19880525		

PRIORITY APPLN. INFO.: JP 1984-261531 A 19841211  
 JP 1985-64287 A 19850328

IT 40856-07-3  
 RL: CAT (Catalyst use); USES (Uses)  
 (catalyst, for polymerization of phosgene with aromatic ethers or sulfides)

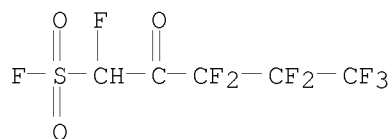
RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 182 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1986:572191 CAPLUS  
 DOCUMENT NUMBER: 105:172191  
 ORIGINAL REFERENCE NO.: 105:27745a, 27748a  
 TITLE: Vedekind-Staudinger reaction of  
 1H-2-oxooctafluoropentanesulfonyl fluoride  
 AUTHOR(S): Ermolov, A. F.; Eleev, A. F.; Kutepov, A. P.;  
 Sokol'skii, G. A.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Organicheskoi Khimii (1986), 22(1), 222-3  
 CODEN: ZORKAE; ISSN: 0514-7492  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 105:172191  
 IT 104728-65-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and conversion to diol)  
 RN 104728-65-6 CAPLUS  
 CN 1-Pentanesulfonyl fluoride, 1,3,3,4,4,5,5,5-octafluoro-2-oxo-, compd. with  
 pyridine (1:1) (CA INDEX NAME)

CM 1

CRN 82955-50-8  
 CMF C5 H F9 O3 S



CM 2

CRN 110-86-1

CMF C5 H5 N



IT 104728-67-8P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

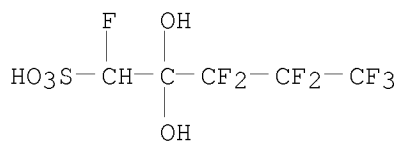
RN 104728-67-8 CAPLUS

CN 1-Pentanesulfonic acid, 1,3,3,4,4,5,5,5-octafluoro-2,2-dihydroxy-, compd.  
with pyridine (1:1) (CA INDEX NAME)

CM 1

CRN 104728-66-7

CMF C5 H4 F8 O5 S



CM 2

CRN 110-86-1

CMF C5 H5 N

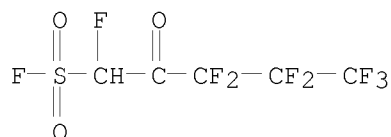


IT 82955-50-8

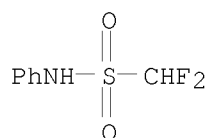
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with pyridine and Vedekind-Staudinger reaction with boron  
trifluoride-triethylamine)

RN 82955-50-8 CAPLUS

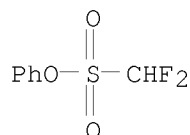
CN 1-Pentanesulfonyl fluoride, 1,3,3,4,4,5,5,5-octafluoro-2-oxo- (CA INDEX  
NAME)



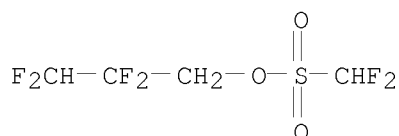
L17 ANSWER 183 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1986:571794 CAPLUS  
 DOCUMENT NUMBER: 105:171794  
 ORIGINAL REFERENCE NO.: 105:27673a,27676a  
 TITLE: Perfluoro- and polyfluoroalkanesulfonic acids. XVIII.  
 Formation of difluorocarbene from derivatives of  
 difluoromethanesulfonyl fluoride  
 AUTHOR(S): Chen, Qingyun; Zhu, Shizheng  
 CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sin., Shanghai, Peop.  
 Rep. China  
 SOURCE: Huaxue Xuebao (1986), 44(1), 92-6  
 CODEN: HHHPA4; ISSN: 0567-7351  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Chinese  
 OTHER SOURCE(S): CASREACT 105:171794  
 IT 658-43-5P 95509-80-1P 95509-81-2P  
 104723-54-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and reaction of, with alkoxides)  
 RN 658-43-5 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-phenyl- (CA INDEX NAME)



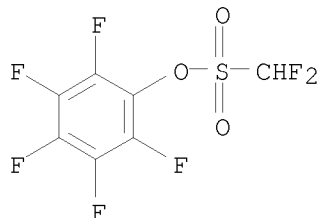
RN 95509-80-1 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, phenyl ester (CA INDEX NAME)



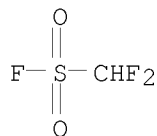
RN 95509-81-2 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 2,2,3,3-tetrafluoropropyl ester (CA INDEX NAME)



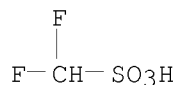
RN 104723-54-8 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 2,3,4,5,6-pentafluorophenyl ester  
 (CA INDEX NAME)



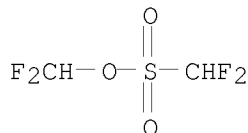
IT 1554-47-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with alkoxides and anilines)  
 RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



IT 40856-07-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with difluoromethanesulfonate)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)

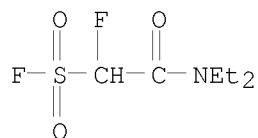


IT 101817-80-5  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with perfluoroalkanesulfonate)  
 RN 101817-80-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, difluoromethyl ester (CA INDEX NAME)



L17 ANSWER 184 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1986:552314 CAPLUS  
 DOCUMENT NUMBER: 105:152314  
 ORIGINAL REFERENCE NO.: 105:24533a,24536a  
 TITLE: Role of steric factors in the reaction of

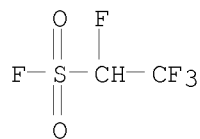
1-hydrotetrafluoroethylsulfonyl fluoride with amines  
 AUTHOR(S): Ermolov, A. F.; Eleev, A. F.; Sokol'skii, G. A.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Organicheskoi Khimii (1986), 22(4), 709-11  
 CODEN: ZORKAE; ISSN: 0514-7492  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 105:152314  
 IT 10048-52-9P 86797-30-0P 104629-60-9P  
 104629-62-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 10048-52-9 CAPLUS  
 CN Ethanesulfonyl fluoride, 2-(diethylamino)-1-fluoro-2-oxo- (CA INDEX NAME)



RN 86797-30-0 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro-, compd. with  
 N,N-diethylethanamine (1:1) (CA INDEX NAME)

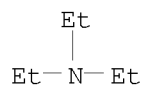
CM 1

CRN 2127-74-4  
 CMF C2 H F5 O2 S

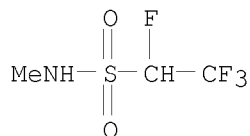


CM 2

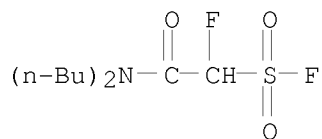
CRN 121-44-8  
 CMF C6 H15 N



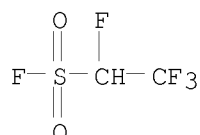
RN 104629-60-9 CAPLUS  
 CN Ethanesulfonamide, 1,2,2,2-tetrafluoro-N-methyl- (CA INDEX NAME)



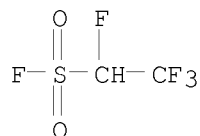
RN 104629-62-1 CAPLUS  
CN Ethanesulfonyl fluoride, 2-(dibutylamino)-1-fluoro-2-oxo- (CA INDEX NAME)



IT 2127-74-4  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with amines, steric effects in)  
RN 2127-74-4 CAPLUS  
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



L17 ANSWER 185 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1986:494019 CAPLUS  
DOCUMENT NUMBER: 105:94019  
ORIGINAL REFERENCE NO.: 105:15129a,15132a  
TITLE: Sulfonyl chloride activation of hydroxylic materials  
AUTHOR(S): Scouten, William H.; Van den Tweel, Will; Delhaes, Dian; Kranenberg, Hans; Dekker, Mathijs  
CORPORATE SOURCE: Dep. Chem., Baylor Univ., Waco, TX, 76798, USA  
SOURCE: Journal of Chromatography (1986), 376, 289-98  
CODEN: JOCRAM; ISSN: 0021-9673  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 2127-74-4  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with triethylamine)  
RN 2127-74-4 CAPLUS  
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)

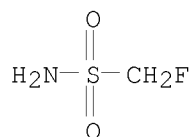


L17 ANSWER 186 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1986:420528 CAPLUS  
DOCUMENT NUMBER: 105:20528  
ORIGINAL REFERENCE NO.: 105:3377a,3380a  
TITLE: Control of insects with fluorocarbons  
INVENTOR(S): Vander Meer, R. K.; Lofgren, C. S.; Williams, D. F.  
PATENT ASSIGNEE(S): United States Dept. of Energy, USA  
SOURCE: U. S. Pat. Appl., 42 pp. Avail NTIS Order No.

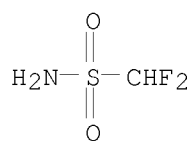
PAT-APPL-6-758 856.  
 CODEN: XAXXAV  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 758856	A0	19860314	US 1985-758856	19850726
US 4921696	A	19900501	US 1988-256237	19881011
US 5177107	A	19930105	US 1990-497113	19900321
US 5364618	A	19941115	US 1992-984877	19921202
PRIORITY APPLN. INFO.:			US 1982-361501	B1 19820325
			US 1983-455727	B1 19830105
			US 1984-598908	B2 19840416
			US 1985-758856	B1 19850726
			US 1988-256237	A1 19881011
			US 1990-497113	A1 19900321

IT 50585-72-3 50585-74-5  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (insecticide)  
 RN 50585-72-3 CAPLUS  
 CN Methanesulfonamide, 1-fluoro- (CA INDEX NAME)



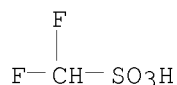
RN 50585-74-5 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro- (CA INDEX NAME)



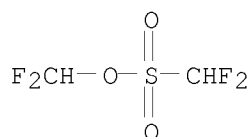
L17 ANSWER 187 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1986:185941 CAPLUS  
 DOCUMENT NUMBER: 104:185941  
 ORIGINAL REFERENCE NO.: 104:29433a, 29436a  
 TITLE: Perfluoro and polyfluoro sulfonic acids. XVI.  
 Difluoromethanesulfonic acid as a precursor of  
 difluorocarbene in the synthesis of difluoromethyl  
 poly- and perfluoroalkanesulfonates  
 AUTHOR(S): Chen, Qingxun; Zhu, Shizheng  
 CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sin., Peop. Rep.  
 China  
 SOURCE: Huaxue Xuebao (1985), 43(6), 546-51  
 CODEN: HHHPA4; ISSN: 0567-7351  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Chinese



OTHER SOURCE(S): CASREACT 104:185941  
 IT 40856-07-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (esterification of, with difluorocarbene)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



IT 101817-80-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, from difluoromethanesulfonic acid and phosphorus oxides)  
 RN 101817-80-5 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, difluoromethyl ester (CA INDEX NAME)



L17 ANSWER 188 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1985:578577 CAPLUS  
 DOCUMENT NUMBER: 103:178577  
 ORIGINAL REFERENCE NO.: 103:28759a,28762a  
 TITLE: Anthracycline and anthracyclone derivatives  
 INVENTOR(S): Terashima, Shiro; Kimura, Yoshikazu; Suzuki, Michiyo;  
 Matsumoto, Teruyo; Abe, Rumiko  
 PATENT ASSIGNEE(S): Sagami Chemical Research Center , Japan  
 SOURCE: Eur. Pat. Appl., 49 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

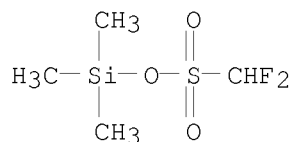
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 143323	A2	19850605	EP 1984-112728	19841022
EP 143323	A3	19851009		
EP 143323	B1	19881026		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 60094990	A	19850528	JP 1983-202733	19831031
JP 03000876	B	19910109		
JP 60094986	A	19850528	JP 1983-202734	19831031
JP 03050755	B	19910802		
US 4564674	A	19860114	US 1984-662833	19841019
AT 38233	T	19881115	AT 1984-112728	19841022
PRIORITY APPLN. INFO.:			JP 1983-202733	A 19831031
			JP 1983-202734	A 19831031
			EP 1984-112728	A 19841022

OTHER SOURCE(S): CASREACT 103:178577; MARPAT 103:178577  
 IT 99568-56-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (glycosylation of daunomycinones by

trideoxybis(nitrobenzoyl)trifluoroacetamidolyoxohexopyranose in  
presence of)

RN 99568-56-6 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro-, trimethylsilyl ester (CA INDEX NAME)



L17 ANSWER 189 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1985:541416 CAPLUS

DOCUMENT NUMBER: 103:141416

ORIGINAL REFERENCE NO.: 103:22639a,22642a

TITLE: Properties of polyfluoro-1-alkene-1-sulfonyl fluorides

AUTHOR(S): Benda, A. F.; Eleev, A. F.; Kalinovskii, A. E.;  
Sokol'skii, G. A.

CORPORATE SOURCE: USSR

SOURCE: Zhurnal Organicheskoi Khimii (1985), 21(2), 287-92  
CODEN: ZORKAE; ISSN: 0514-7492

DOCUMENT TYPE: Journal

LANGUAGE: Russian

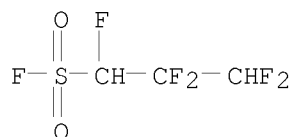
OTHER SOURCE(S): CASREACT 103:141416

IT 98238-70-1 98238-71-2 98238-72-3

RL: RCT (Reactant); RACT (Reactant or reagent)  
(dehydrofluorination of)

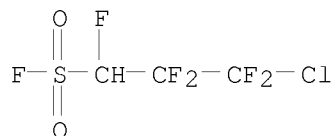
RN 98238-70-1 CAPLUS

CN 1-Propanesulfonyl fluoride, 1,2,2,3,3-pentafluoro- (CA INDEX NAME)



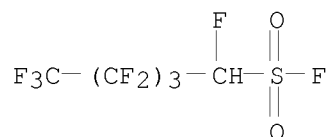
RN 98238-71-2 CAPLUS

CN 1-Propanesulfonyl fluoride, 3-chloro-1,2,2,3,3-pentafluoro- (CA INDEX NAME)



RN 98238-72-3 CAPLUS

CN 1-Pentanesulfonyl fluoride, 1,2,2,3,3,4,4,5,5,5-decafluoro- (CA INDEX NAME)



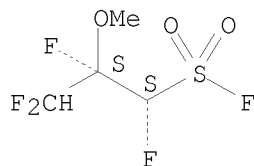
IT 98238-77-8P 98238-78-9P 98238-79-0P  
 98238-80-3P 98238-85-8P 98238-86-9P  
 98238-87-0P 98238-88-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 98238-77-8 CAPLUS

CN 1-Propanesulfonyl fluoride, 1,2,3,3-tetrafluoro-2-methoxy-, (R\*,R\*)- (9CI)  
 (CA INDEX NAME)

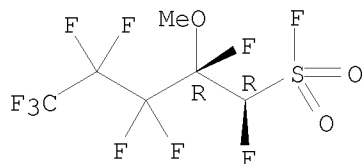
Relative stereochemistry.



RN 98238-78-9 CAPLUS

CN 1-Pentanesulfonyl fluoride, 1,2,3,3,4,4,5,5,5-nonafluoro-2-methoxy-,  
 (R\*,R\*)- (9CI) (CA INDEX NAME)

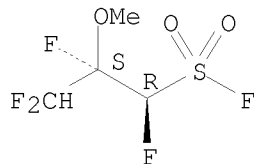
Relative stereochemistry.



RN 98238-79-0 CAPLUS

CN 1-Propanesulfonyl fluoride, 1,2,3,3-tetrafluoro-2-methoxy-, (R\*,S\*)- (9CI)  
 (CA INDEX NAME)

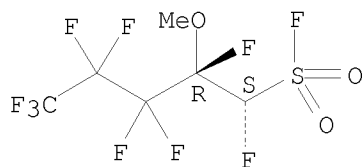
Relative stereochemistry.



RN 98238-80-3 CAPLUS

CN 1-Pentanesulfonyl fluoride, 1,2,3,3,4,4,5,5,5-nonafluoro-2-methoxy-,  
 (R\*,S\*)- (9CI) (CA INDEX NAME)

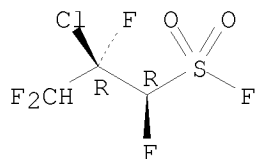
Relative stereochemistry.



RN 98238-85-8 CAPLUS

CN 1-Propanesulfonyl fluoride, 2-chloro-1,2,3,3-tetrafluoro-, (R\*,R\*)- (9CI)  
(CA INDEX NAME)

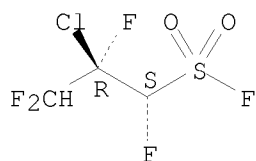
Relative stereochemistry.



RN 98238-86-9 CAPLUS

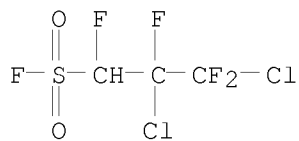
CN 1-Propanesulfonyl fluoride, 2-chloro-1,2,3,3-tetrafluoro-, (R\*,S\*)- (9CI)  
(CA INDEX NAME)

Relative stereochemistry.



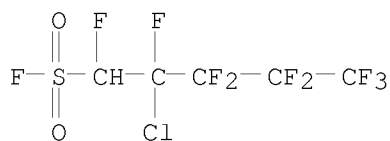
RN 98238-87-0 CAPLUS

CN 1-Propanesulfonyl fluoride, 2,3-dichloro-1,2,3,3-tetrafluoro- (CA INDEX NAME)



RN 98238-88-1 CAPLUS

CN 1-Pentanesulfonyl fluoride, 2-chloro-1,2,3,3,4,4,5,5,5-nonafluoro- (CA INDEX NAME)



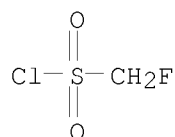
L17 ANSWER 190 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1985:522952 CAPLUS  
DOCUMENT NUMBER: 103:122952  
ORIGINAL REFERENCE NO.: 103:19657a,19660a  
TITLE: Reactions of halogenated methanesulfonyl chlorides  
with trimethylamine and an inverse sulfene-amine  
adduct.

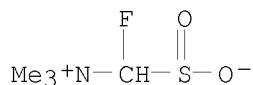
AUTHOR(S): Rheude, Udo; Sundermeyer, Wolfgang  
CORPORATE SOURCE: Anorg.-Chem. Inst., Univ. Heidelberg, Heidelberg,  
D-6900/1, Fed. Rep. Ger.  
SOURCE: Chemische Berichte (1985), 118(6), 2208-19  
CODEN: CHBEAM; ISSN: 0009-2940

DOCUMENT TYPE: Journal  
LANGUAGE: German  
OTHER SOURCE(S): CASREACT 103:122952

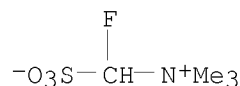
IT 42497-69-8P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and reaction with trimethylamine)  
RN 42497-69-8 CAPLUS  
CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



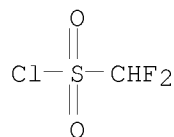
IT 98181-87-4P 98181-88-5P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 98181-87-4 CAPLUS  
CN Methanaminium, 1-fluoro-N,N,N-trimethyl-1-sulfinio-, inner salt (CA INDEX  
NAME)



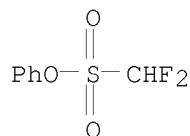
RN 98181-88-5 CAPLUS  
CN Methanaminium, 1-fluoro-N,N,N-trimethyl-1-sulfo-, inner salt (CA INDEX  
NAME)



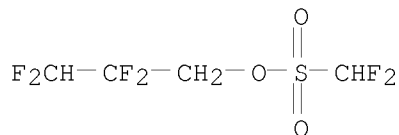
IT 1512-30-7  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with trimethylamine)  
RN 1512-30-7 CAPLUS  
CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



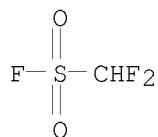
L17 ANSWER 191 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1985:131301 CAPLUS  
 DOCUMENT NUMBER: 102:131301  
 ORIGINAL REFERENCE NO.: 102:20595a,20598a  
 TITLE: Perfluoro- and polyfluorosulfonic acids. XIV.  
 Formation of difluorocarbene from  
 difluoromethanesulfonyl fluoride with nucleophiles  
 AUTHOR(S): Chen, Qingyun; Zhu, Shizeng  
 CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sinica, Shanghai,  
 Peop. Rep. China  
 SOURCE: Youji Huaxue (1984), (6), 434-9  
 CODEN: YCHHDX; ISSN: 0253-2786  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Chinese  
 OTHER SOURCE(S): CASREACT 102:131301  
 IT 95509-80-1P 95509-81-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 95509-80-1 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, phenyl ester (CA INDEX NAME)



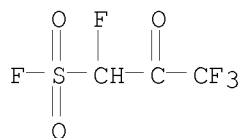
RN 95509-81-2 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 2,2,3,3-tetrafluoropropyl ester (CA INDEX NAME)



IT 1554-47-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with nucleophiles)  
 RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)

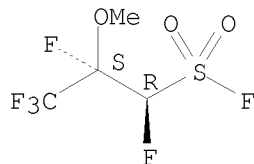


L17 ANSWER 192 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1985:95205 CAPLUS  
 DOCUMENT NUMBER: 102:95205  
 ORIGINAL REFERENCE NO.: 102:14969a,14972a  
 TITLE: Pentafluoro-1-propene-1-sulfonyl fluoride  
 AUTHOR(S): Benda, A. F.; Eleev, A. F.; Kalinovskii, A. E.;  
 Sokol'skii, G. A.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Organicheskoi Khimii (1984), 20(6), 1204-7  
 CODEN: ZORKAE; ISSN: 0514-7492  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 102:95205  
 IT 80703-30-6P 94726-07-5P 94726-08-6P  
 94737-67-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 80703-30-6 CAPLUS  
 CN 1-Propanesulfonyl fluoride, 1,3,3,3-tetrafluoro-2-oxo- (CA INDEX NAME)



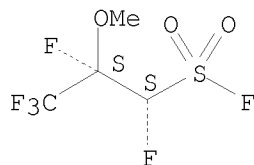
RN 94726-07-5 CAPLUS  
 CN 1-Propanesulfonyl fluoride, 1,2,3,3,3-pentafluoro-2-methoxy-, (R\*,S\*)-  
 (9CI) (CA INDEX NAME)

Relative stereochemistry.

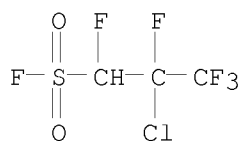


RN 94726-08-6 CAPLUS  
 CN 1-Propanesulfonyl fluoride, 1,2,3,3,3-pentafluoro-2-methoxy-, (R\*,R\*)-  
 (9CI) (CA INDEX NAME)

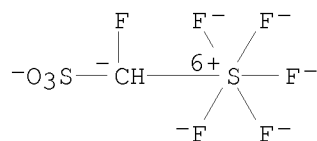
Relative stereochemistry.



RN 94737-67-4 CAPLUS  
 CN 1-Propanesulfonyl fluoride, 2-chloro-1,2,3,3,3-pentafluoro- (CA INDEX NAME)



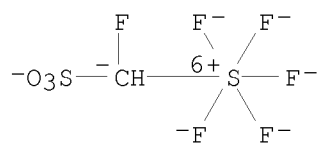
L17 ANSWER 193 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1985:45811 CAPLUS  
 DOCUMENT NUMBER: 102:45811  
 ORIGINAL REFERENCE NO.: 102:7205a,7208a  
 TITLE: A pentafluorosulfur  $\beta$ -sultone and some derivatives  
 AUTHOR(S): Canich, JoAnn M.; Ludvig, Maria M.; Gard, Gary L.; Shreeve, Jeanne M.  
 CORPORATE SOURCE: Dep. Chem., Univ. Idaho, Moscow, ID, 83843, USA  
 SOURCE: Inorganic Chemistry (1984), 23(26), 4403-7  
 CODEN: INOCAJ; ISSN: 0020-1669  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 102:45811  
 IT 93474-31-8P 93474-32-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and acidification of)  
 RN 93474-31-8 CAPLUS  
 CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, calcium (2:1), (OC-6-21)- (9CI) (CA INDEX NAME)



● 1/2 Ca<sup>2+</sup>

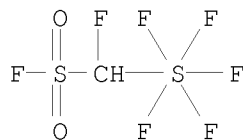
RN 93474-32-9 CAPLUS  
 CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, sodium, (OC-6-21)- (9CI) (CA INDEX NAME)



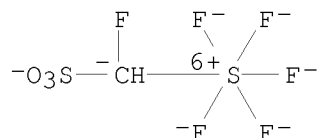


● Na<sup>+</sup>

IT 93502-89-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and salt formation of)  
 RN 93502-89-7 CAPLUS  
 CN Sulfur, pentafluoro[fluoro(fluorosulfonyl)methyl]-, (OC-6-21)- (9CI) (CA  
 INDEX NAME)



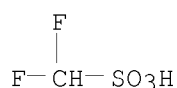
IT 93474-33-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 93474-33-0 CAPLUS  
 CN Sulfate(1-), pentafluoro(fluorosulfonatomethyl)-, hydrogen, (OC-6-21)-  
 (9CI) (CA INDEX NAME)



● H<sup>+</sup>

L17 ANSWER 194 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1985:33473 CAPLUS  
 DOCUMENT NUMBER: 102:33473  
 ORIGINAL REFERENCE NO.: 102:5279a,5282a  
 TITLE: Supported catalysts  
 INVENTOR(S): Daniels, James Anthony  
 PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK  
 SOURCE: Eur. Pat. Appl., 18 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 125769	A2	19841121	EP 1984-302090	19840328
EP 125769	A3	19861210		
R: DE, FR, GB, IT, NL				
AU 8426442	A	19841025	AU 1984-26442	19840405
JP 59199040	A	19841112	JP 1984-76754	19840418
PRIORITY APPLN. INFO.:			GB 1983-10409	A 19830418
IT 40856-07-3				
RL: CAT (Catalyst use); USES (Uses)				
(catalysts, with rigid inorg. support for reaction of methanol with isobutene)				
RN 40856-07-3 CAPLUS				
CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)				



L17 ANSWER 195 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1984:454521 CAPLUS

DOCUMENT NUMBER: 101:54521

ORIGINAL REFERENCE NO.: 101:8461a,8464a

TITLE: Decomposition of 3-oxopolyfluoroalkane-2-sulfonyl fluorides in the presence of fluoride ion

AUTHOR(S): Ermolov, A. F.; Eleev, A. F.; Kutepov, A. P.; Sokol'skii, G. A.

CORPORATE SOURCE: USSR

SOURCE: Zhurnal Organicheskoi Khimii (1984), 20(2), 276-8  
CODEN: ZORKAE; ISSN: 0514-7492

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 101:54521

IT 91145-99-2P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

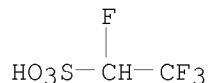
RN 91145-99-2 CAPLUS

CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro-, compd. with pyridine (1:1) (CA INDEX NAME)

CM 1

CRN 20705-83-3

CMF C2 H2 F4 O3 S



CM 2

CRN 110-86-1

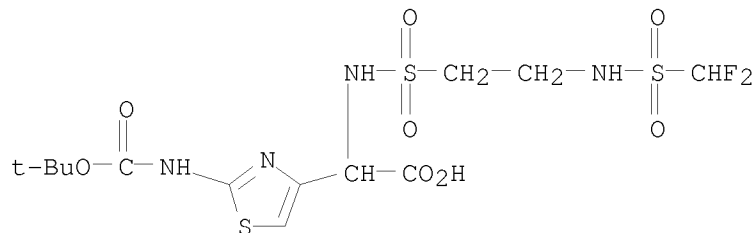
CMF C5 H5 N



L17 ANSWER 196 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1984:209513 CAPLUS  
 DOCUMENT NUMBER: 100:209513  
 ORIGINAL REFERENCE NO.: 100:31807a,31810a  
 TITLE: Cephalosporin derivatives and their pharmaceutical compositions  
 INVENTOR(S): Kocsis, Karoly; Wiederkehr, Rene; Wehrli, Hansuli  
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G. , Switz.  
 SOURCE: Eur. Pat. Appl., 287 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

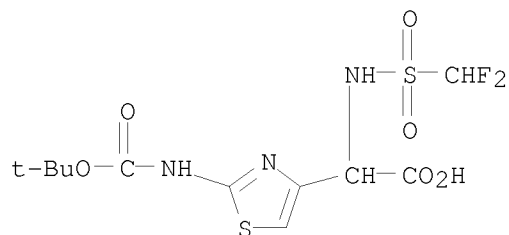
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 92830	A2	19831102	EP 1983-104037	19830425
EP 92830	A3	19841227		
R: AT, BE, CH, DE, FR, IT, LI, LU, NL, SE				
FI 8301381	A	19831028	FI 1983-1381	19830422
GB 2118942	A	19831109	GB 1983-11222	19830425
GB 2118942	B	19850724		
DK 8301853	A	19831028	DK 1983-1853	19830426
NO 8301470	A	19831028	NO 1983-1470	19830426
AU 8313951	A	19831103	AU 1983-13951	19830426
HU 28778	A2	19831228	HU 1983-1436	19830426
HU 188459	B	19860428		
DD 207720	A5	19840314	DD 1983-250223	19830426
ZA 8302918	A	19840829	ZA 1983-2918	19830426
JP 58194891	A	19831112	JP 1983-73135	19830427
PRIORITY APPLN. INFO.:				
			CH 1982-2568	A 19820427
			CH 1982-6504	A 19821109

OTHER SOURCE(S): MARPAT 100:209513  
 IT 89348-80-1P 89348-87-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and acylation of aminocephems by)  
 RN 89348-80-1 CAPLUS  
 CN 4-Thiazoleacetic acid,  $\alpha$ -[[[2-[[[(difluoromethyl)sulfonyl]amino]ethyl]sulfonyl]amino]-2-[[[(1,1-dimethylethoxy)carbonyl]amino]- (CA INDEX NAME)



RN 89348-87-8 CAPLUS  
 CN 4-Thiazoleacetic acid,  $\alpha$ -[[[(difluoromethyl)sulfonyl]amino]-2-[[[(1,1-

dimethylethoxy)carbonyl]amino]- (CA INDEX NAME)



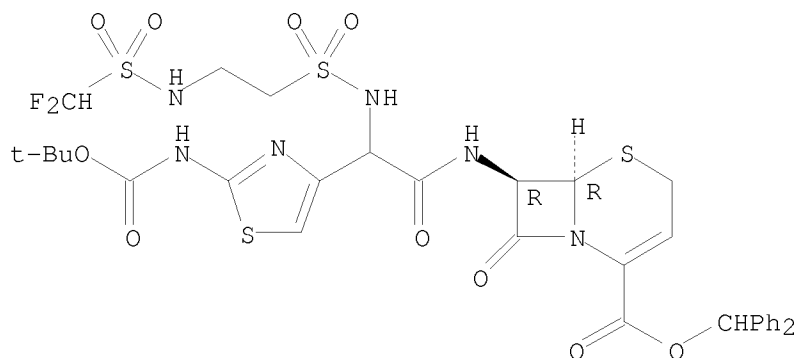
IT 89348-78-7P 89348-81-2P 89348-83-4P  
89348-85-6P 89348-88-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and hydrolysis of)

RN 89348-78-7 CAPLUS

CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
7-[[[[(2-[[[(difluoromethyl)sulfonyl]amino]ethyl)sulfonyl]amino][2-[[[(1,1-dimethylethoxy)carbonyl]amino]-4-thiazolyl]acetyl]amino]-8-oxo-,  
diphenylmethyl ester, [6R-(6 $\alpha$ , 7 $\beta$ )]- (9CI) (CA INDEX NAME)

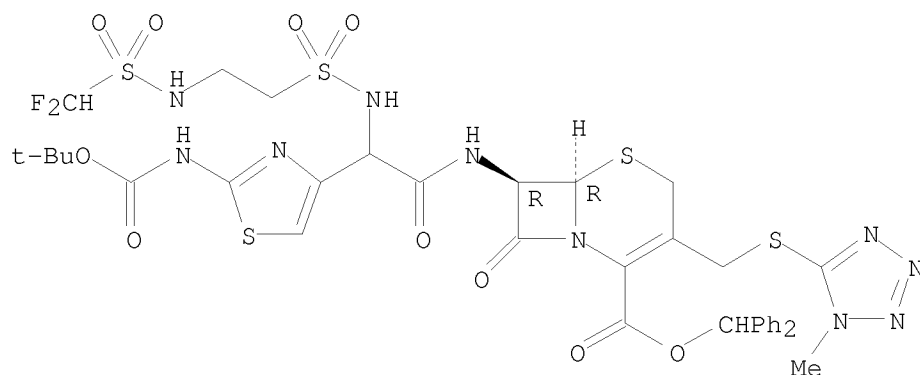
Absolute stereochemistry.



RN 89348-81-2 CAPLUS

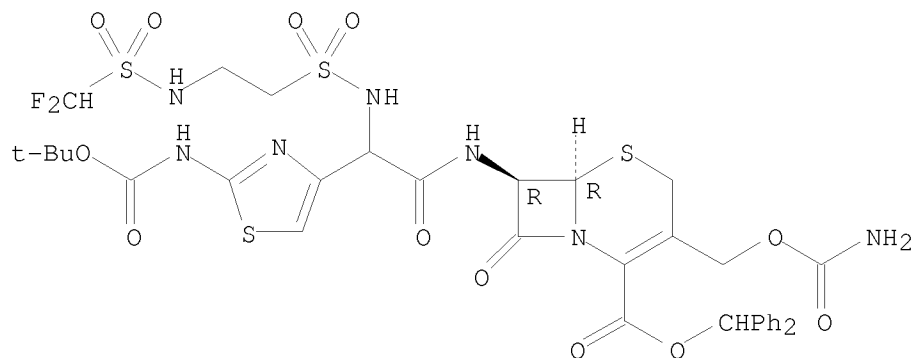
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
7-[[[[(2-[[[(difluoromethyl)sulfonyl]amino]ethyl)sulfonyl]amino][2-[[[(1,1-dimethylethoxy)carbonyl]amino]-4-thiazolyl]acetyl]amino]-3-[[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, diphenylmethyl ester,  
[6R-(6 $\alpha$ , 7 $\beta$ )]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



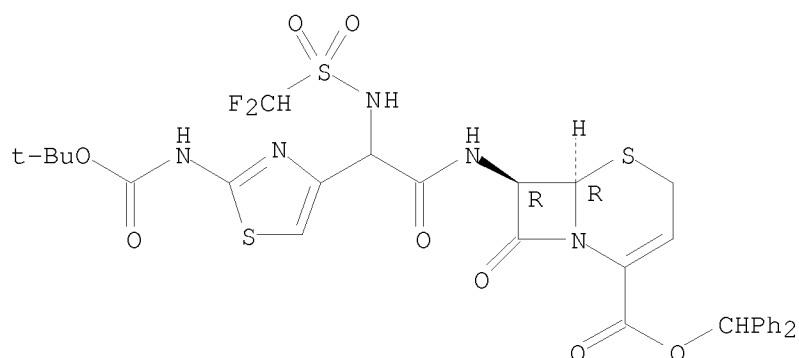
RN 89348-83-4 CAPLUS  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 3-[[[(aminocarbonyl)oxy]methyl]-7-[[[[[2-  
 [[[(difluoromethyl)sulfonyl]amino]ethyl]sulfonyl]amino][2-[[[(1,1-  
 dimethylethoxy)carbonyl]amino]-4-thiazolyl]acetyl]amino]-8-oxo-,  
 diphenylmethyl ester, [6R-(6 $\alpha$ ,7 $\beta$ )]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



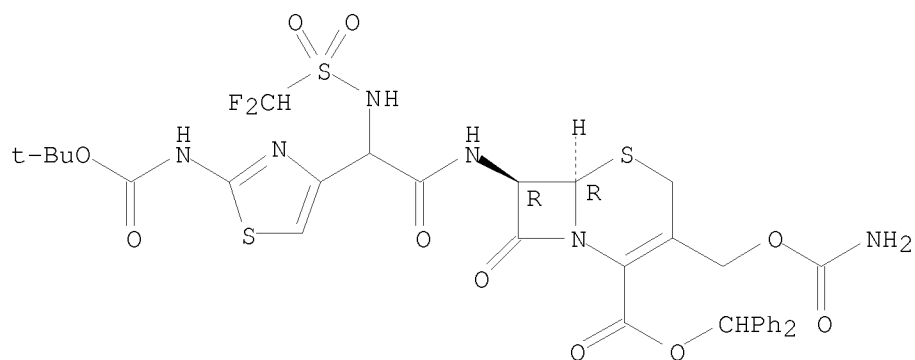
RN 89348-85-6 CAPLUS  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 7-[[[[[(difluoromethyl)sulfonyl]amino][2-[[[(1,1-  
 dimethylethoxy)carbonyl]amino]-4-thiazolyl]acetyl]amino]-8-oxo-,  
 diphenylmethyl ester, [6R-(6 $\alpha$ ,7 $\beta$ )]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



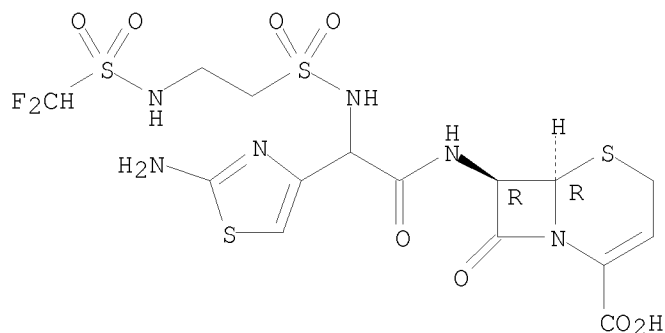
RN 89348-88-9 CAPLUS  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 3-[[ (aminocarbonyl)oxy]methyl]-7-[[[(difluoromethyl)sulfonyl]amino][2-  
 [[(1,1-dimethylethoxy)carbonyl]amino]-4-thiazolyl]acetyl]amino]-8-oxo-,  
 diphenylmethyl ester, [6R-(6 $\alpha$ ,7 $\beta$ )]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 89348-79-8P 89348-82-3P 89348-84-5P  
 89348-86-7P 89348-89-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 89348-79-8 CAPLUS  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 7-[[ (2-amino-4-thiazolyl) [[2-  
 [[(difluoromethyl)sulfonyl]amino]ethyl]sulfonyl]amino]acetyl]amino]-8-oxo-  
 , monosodium salt, [6R-(6 $\alpha$ ,7 $\beta$ )]- (9CI) (CA INDEX NAME)

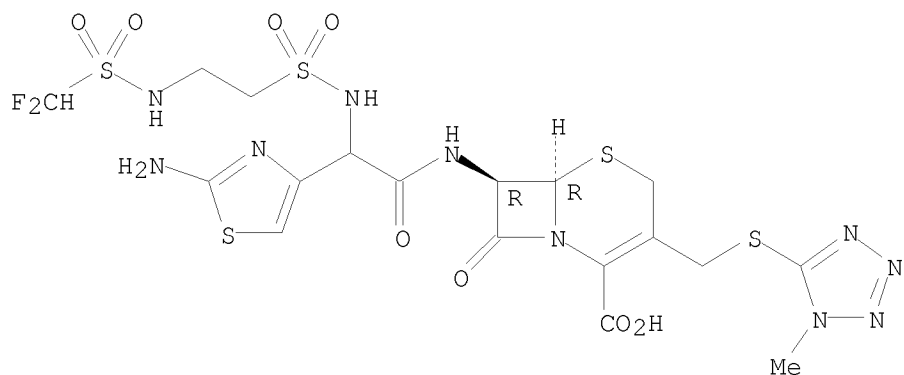
Absolute stereochemistry.



● Na

RN 89348-82-3 CAPLUS  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 7-[[ (2-amino-4-thiazolyl) [[2-  
 [[(difluoromethyl)sulfonyl]amino]ethyl]sulfonyl]amino]acetyl]amino]-3-[[ (1-  
 methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, monosodium salt,  
 [6R-(6 $\alpha$ ,7 $\beta$ )]- (9CI) (CA INDEX NAME)

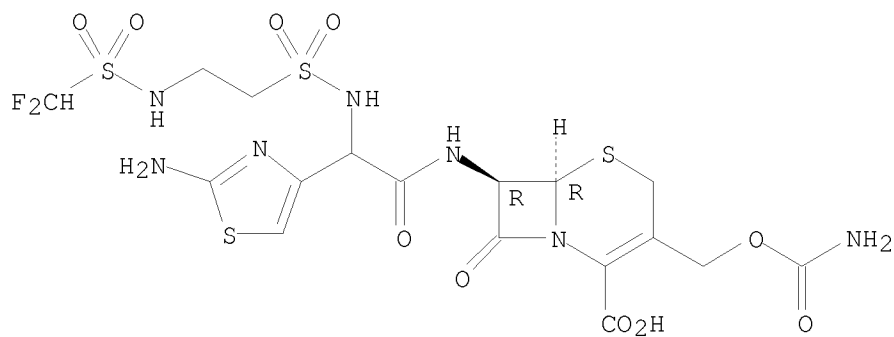
Absolute stereochemistry.



● Na

RN 89348-84-5 CAPLUS  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 3-[[[(aminocarbonyl)oxy]methyl]-7-[[[(2-amino-4-thiazolyl)[[2-  
 [[[(difluoromethyl)sulfonyl]amino]ethyl]sulfonyl]amino]acetyl]amino]-8-oxo-  
 , monosodium salt, [6R-(6 $\alpha$ ,7 $\beta$ )]- (9CI) (CA INDEX NAME)

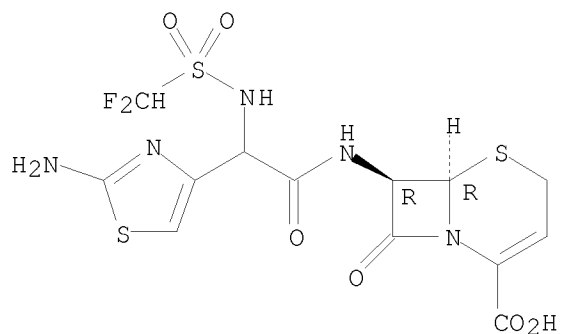
Absolute stereochemistry.



● Na

RN 89348-86-7 CAPLUS  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 7-[[[(2-amino-4-thiazolyl)[[(difluoromethyl)sulfonyl]amino]acetyl]amino]-8-  
 oxo-, monosodium salt, [6R-(6 $\alpha$ ,7 $\beta$ )]- (9CI) (CA INDEX NAME)

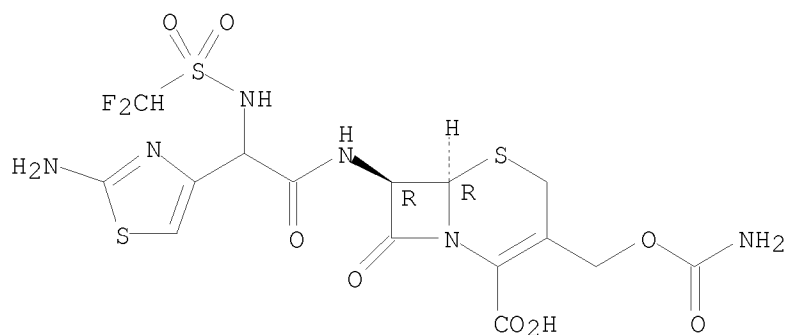
Absolute stereochemistry.



● Na

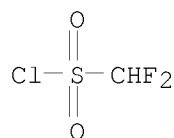
RN 89348-89-0 CAPLUS  
 CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,  
 3-[[ (aminocarbonyl)oxy]methyl]-7-[[ (2-amino-4-  
 thiazolyl) [[ (difluoromethyl)sulfonyl]amino]acetyl]amino]-8-oxo-,  
 monosodium salt, [6R-(6 $\alpha$ ,7 $\beta$ )]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



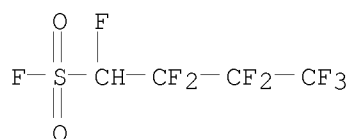
● Na

IT 1512-30-7  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with aminoethanesulfonylaminoacetate)  
 RN 1512-30-7 CAPLUS  
 CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)

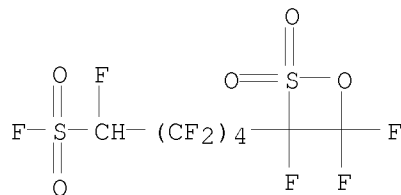




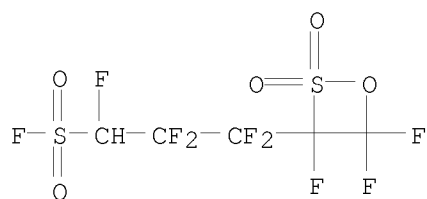
DOCUMENT NUMBER: 100:191679  
 ORIGINAL REFERENCE NO.: 100:29135a, 29138a  
 TITLE: Partially nonfluorinated compounds in the electrochemical fluorination of sulfolene  
 AUTHOR(S): Geisler, Klaus; Koemm, Ulrich; Metzinger, Hans Gerd  
 CORPORATE SOURCE: Bayer A.-G., Leverkusen, 5090, Fed. Rep. Ger.  
 SOURCE: Journal of Fluorine Chemistry (1984), 24(1), 17-24  
 CODEN: JFLCAR; ISSN: 0022-1139  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 IT 89949-47-3P  
 RL: FORM (Formation, nonpreparative); PREP (Preparation)  
 (formation of, in electrochem. fluorination of sulfolene)  
 RN 89949-47-3 CAPLUS  
 CN 1-Butanesulfonyl fluoride, 1,2,2,3,3,4,4,4-octafluoro- (CA INDEX NAME)



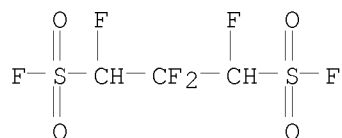
L17 ANSWER 198 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1984:191320 CAPLUS  
 DOCUMENT NUMBER: 100:191320  
 ORIGINAL REFERENCE NO.: 100:29075a, 29078a  
 TITLE: Sulfotrioxidation of octafluoro-1,4-pentadiene  
 AUTHOR(S): Krylov, I. I.; Kutepov, A. P.; Sokol'skii, G. A.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D. I. Mendeleeva (1983), 28(6), 707-9  
 CODEN: ZVKOA6; ISSN: 0373-0247  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 100:191320  
 IT 84933-51-7P 90127-85-8P 90127-86-9P  
 90127-87-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and hydrolysis of)  
 RN 84933-51-7 CAPLUS  
 CN 1,2-Oxathietane-3-pentanesulfonyl fluoride,  
 $\alpha, \beta, \beta, \delta, \delta, \epsilon, \epsilon, \gamma, \gamma,$   
 3,4,4-dodecafluoro-, 2,2-dioxide (CA INDEX NAME)



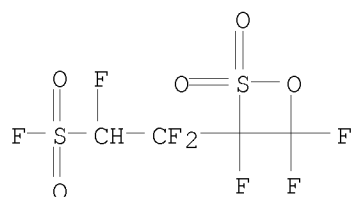
RN 90127-85-8 CAPLUS  
 CN 1,2-Oxathietane-3-propanesulfonyl fluoride,  
 $\alpha, \beta, \beta, \gamma, \gamma, 3, 4, 4$ -octafluoro-, 2,2-dioxide (CA  
 INDEX NAME)



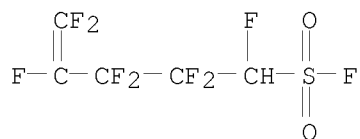
RN 90127-86-9 CAPLUS  
 CN 1,3-Propanedisulfonyl difluoride, 1,2,2,3-tetrafluoro- (CA INDEX NAME)



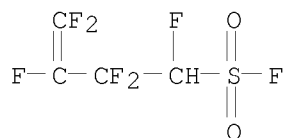
RN 90127-87-0 CAPLUS  
 CN 1,2-Oxathietane-3-ethanesulfonyl fluoride,  
 α,β,β,3,4,4-hexafluoro-, 2,2-dioxide (CA INDEX NAME)



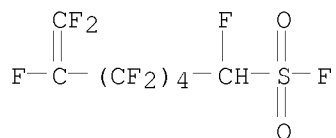
IT 39821-31-3P 39821-32-4P 84933-49-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and sulfotrioxidn. of)  
 RN 39821-31-3 CAPLUS  
 CN 4-Pentene-1-sulfonyl fluoride, 1,2,2,3,3,4,5,5-octafluoro- (CA INDEX  
 NAME)



RN 39821-32-4 CAPLUS  
 CN 3-Butene-1-sulfonyl fluoride, 1,2,2,3,4,4-hexafluoro- (CA INDEX NAME)

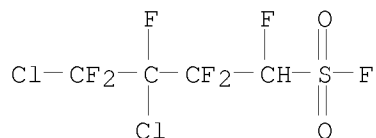


RN 84933-49-3 CAPLUS  
 CN 6-Heptene-1-sulfonyl fluoride, 1,2,2,3,3,4,4,5,5,6,7,7-dodecafluoro- (CA INDEX NAME)

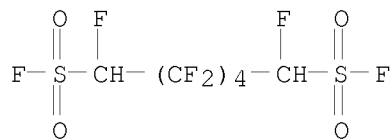


IT 41145-00-0P 84933-50-6P 90127-84-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

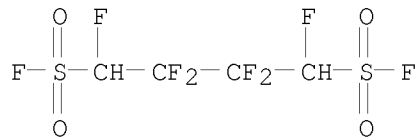
RN 41145-00-0 CAPLUS  
 CN 1-Butanesulfonyl fluoride, 3,4-dichloro-1,2,2,3,4,4-hexafluoro- (CA INDEX NAME)



RN 84933-50-6 CAPLUS  
 CN 1,6-Hexanedisulfonyl difluoride, 1,2,2,3,3,4,4,5,5,6-decafluoro- (CA INDEX NAME)



RN 90127-84-7 CAPLUS  
 CN 1,4-Butanedisulfonyl difluoride, 1,2,2,3,3,4-hexafluoro- (CA INDEX NAME)



L17 ANSWER 199 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1984:2205 CAPLUS  
 DOCUMENT NUMBER: 100:2205  
 ORIGINAL REFERENCE NO.: 100:383a,386a  
 TITLE: Insecticidal compositions  
 INVENTOR(S): Vander Meer, Robert K.  
 PATENT ASSIGNEE(S): United States Dept. of Agriculture, USA  
 SOURCE: U. S. Pat. Appl., 44 pp. Avail. NTIS Order No. PAT-APPL-6-455 727.  
 CODEN: XAXXAV

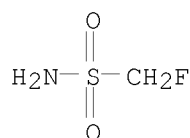
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 455727	A0	19830902	US 1983-455727	19830105
WO 8402650	A1	19840719	WO 1984-US28	19840104
W: AU, BR, JP				
AU 8424923	A	19840802	AU 1984-24923	19840104
AU 582533	B2	19890406		
BR 8404556	A	19841211	BR 1984-4556	19840104
JP 60500500	T	19850411	JP 1984-500822	19840104
JP 06035365	B	19940511		
US 4921696	A	19900501	US 1988-256237	19881011
US 5177107	A	19930105	US 1990-497113	19900321
US 5364618	A	19941115	US 1992-984877	19921202
JP 07173013	A	19950711	JP 1993-250772	19931006

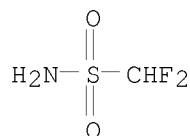
PRIORITY APPLN. INFO.:

US 1982-361501	B1	19820325
US 1983-455727	A	19830105
WO 1984-US28	A	19840104
US 1984-598908	B2	19840416
US 1985-758856	B1	19850726
US 1988-256237	A1	19881011
US 1990-497113	A1	19900321

IT 50585-72-3 50585-74-5  
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(insecticidal activity of)  
RN 50585-72-3 CAPLUS  
CN Methanesulfonamide, 1-fluoro- (CA INDEX NAME)

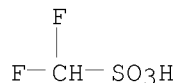


RN 50585-74-5 CAPLUS  
CN Methanesulfonamide, 1,1-difluoro- (CA INDEX NAME)

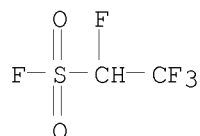


L17 ANSWER 200 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1983:602373 CAPLUS  
DOCUMENT NUMBER: 99:202373  
ORIGINAL REFERENCE NO.: 99:31033a,31036a  
TITLE: Anodic behavior of aluminum towards different anions in acids and neutral nonaqueous dimethylformamide solutions  
AUTHOR(S): Berthold, M.; Herrmann, S.; Schwabe, Kurt

CORPORATE SOURCE: Forsch. Inst. Meinsberg, Waldheim, DDR-7305, Ger. Dem. Rep.  
 SOURCE: Oberflaeche-Surface (1983), 24(8), 269-73  
 CODEN: OBSUA7; ISSN: 0048-1270  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 IT 40856-07-3  
 RL: USES (Uses)  
 (aluminum anodic behavior in nonaq. DMF containing)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 201 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1983:487611 CAPLUS  
 DOCUMENT NUMBER: 99:87611  
 ORIGINAL REFERENCE NO.: 99:13505a,13508a  
 TITLE: Acylation of tertiary fluorocarbanions  
 AUTHOR(S): Ermolov, A. F.; Eleev, A. F.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Organicheskoi Khimii (1983), 19(6), 1343-4  
 CODEN: ZORKAE; ISSN: 0514-7492  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 IT 2127-74-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (acylation of)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



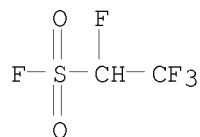
L17 ANSWER 202 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1983:487610 CAPLUS  
 DOCUMENT NUMBER: 99:87610  
 ORIGINAL REFERENCE NO.: 99:13505a,13508a  
 TITLE: Reaction of carbon acids with ketenes  
 AUTHOR(S): Ermolov, A. F.; Eleev, A. F.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Organicheskoi Khimii (1983), 19(6), 1340-1  
 CODEN: ZORKAE; ISSN: 0514-7492  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 99:87610  
 IT 86797-30-0  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (addition reaction of, with ketenes)  
 RN 86797-30-0 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro-, compd. with

N,N-diethylethanamine (1:1) (CA INDEX NAME)

CM 1

CRN 2127-74-4

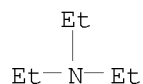
CMF C2 H F5 O2 S



CM 2

CRN 121-44-8

CMF C6 H15 N



L17 ANSWER 203 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1983:438203 CAPLUS

DOCUMENT NUMBER: 99:38203

ORIGINAL REFERENCE NO.: 99:5997a,6000a

TITLE: Dihydroxy arylophenones

INVENTOR(S): Rose, John Brewster; Cinderey, Michael Bernard

PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK

SOURCE: Eur. Pat. Appl., 6 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
EP 75389	A1	19830330	EP 1982-304340	19820817
EP 75389	B1	19851023		
R: BE, CH, DE, FR, GB, IT, LI, NL, SE				
US 4433172	A	19840221	US 1982-410995	19820824
JP 58062133	A	19830413	JP 1982-161130	19820917
PRIORITY APPLN. INFO.:			GB 1981-28177	A 19810917

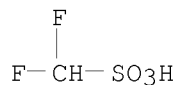
OTHER SOURCE(S): MARPAT 99:38203

IT 40856-07-3

RL: RCT (Reactant); RACT (Reactant or reagent)  
(rearrangement of diaryl carbonates by)

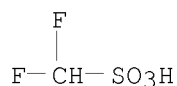
RN 40856-07-3 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



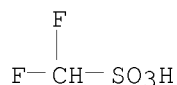
L17 ANSWER 204 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1983:438037 CAPLUS  
 DOCUMENT NUMBER: 99:38037  
 ORIGINAL REFERENCE NO.: 99:5969a,5972a  
 TITLE: Difluoromethanesulfonic acid  
 INVENTOR(S): Langlois, Bernard  
 PATENT ASSIGNEE(S): Rhone-Poulenc Industries SA, Fr.  
 SOURCE: Fr. Demande, 7 pp.  
 CODEN: FRXXBL  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2504923	A1	19821105	FR 1981-8529	19810429
FR 2504923	B1	19840914		
PRIORITY APPLN. INFO.:			FR 1981-8529	19810429
IT 2795-52-0P				
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and acidification of)				
RN 2795-52-0 CAPLUS				
CN Methanesulfonic acid, difluoro-, sodium salt (6CI, 8CI, 9CI)				(CA INDEX NAME)



● Na

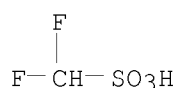
IT 40856-07-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



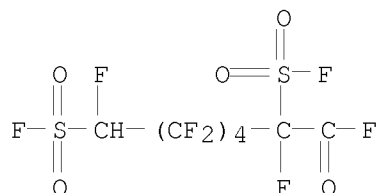
L17 ANSWER 205 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1983:180081 CAPLUS  
 DOCUMENT NUMBER: 98:180081  
 ORIGINAL REFERENCE NO.: 98:27395a,27398a  
 TITLE: Aromatic polyketones  
 INVENTOR(S): Rose, John Brewster  
 PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK  
 SOURCE: Eur. Pat. Appl., 19 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 63874	A1	19821103	EP 1982-301758	19820402
R: BE, DE, FR, GB, IT, NL				
US 4398020	A	19830809	US 1982-367618	19820412
JP 57182321	A	19821110	JP 1982-67531	19820423
PRIORITY APPLN. INFO.:			GB 1981-13231	A 19810429
IT 40856-07-3				
RL: CAT (Catalyst use); USES (Uses)				
(catalysts, for manufacture of aromatic polyketones)				
RN 40856-07-3	CAPLUS			
CN	Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)			



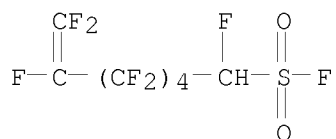
L17 ANSWER 206 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1983:125924 CAPLUS  
 DOCUMENT NUMBER: 98:125924  
 ORIGINAL REFERENCE NO.: 98:19183a,19186a  
 TITLE: Fluoro-containing  $\beta$ -sultones. 51.  
 $\beta$ -Sultones made of perfluoro-1,7-octadiene  
 AUTHOR(S): Krylov, I. I.; Kutepov, A. P.; Sokol'skii, G. A.;  
 Knunyants, I. L.  
 CORPORATE SOURCE: Inst. Elementoorg. Soedin. im. Nesmeyanova, Moscow,  
 USSR  
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya  
 (1982), (11), 2528-31  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 98:125924  
 IT 84933-52-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and degradation of)  
 RN 84933-52-8 CAPLUS  
 CN Heptanoyl fluoride, 2,3,3,4,4,5,5,6,6,7-decafluoro-2,7-bis(fluorosulfonyl)-  
 (CA INDEX NAME)



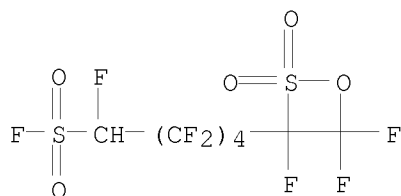
IT 84933-49-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and reaction with sulfur trioxide)  
 RN 84933-49-3 CAPLUS  
 CN 6-Heptene-1-sulfonyl fluoride, 1,2,2,3,3,4,4,5,5,6,7,7-dodecafluoro- (CA



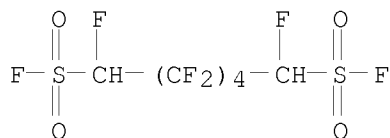
INDEX NAME)



IT 84933-51-7P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and reactions of)  
RN 84933-51-7 CAPLUS  
CN 1,2-Oxathietane-3-pentanesulfonyl fluoride,  
 $\alpha,\beta,\beta,\delta,\delta,\epsilon,\epsilon,\gamma,\gamma$ ,  
3,4,4-dodecafluoro-, 2,2-dioxide (CA INDEX NAME)



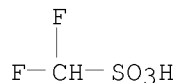
IT 84933-50-6P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 84933-50-6 CAPLUS  
CN 1,6-Hexanedisulfonyl difluoride, 1,2,2,3,3,4,4,5,5,6-decafluoro- (CA  
INDEX NAME)



L17 ANSWER 207 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1983:16287 CAPLUS  
DOCUMENT NUMBER: 98:16287  
ORIGINAL REFERENCE NO.: 98:2631a,2634a  
TITLE: Difluoromethanesulfonic acid  
INVENTOR(S): Brown, Geoffrey Teasdale; Bowden, Roy Dennis  
PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK  
SOURCE: Eur. Pat. Appl., 12 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

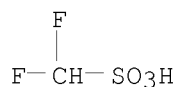
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 57507	A1	19820811	EP 1982-300148	19820112

R: BE, CH, DE, FR, GB, IT, NL, SE  
 JP 57146749 A 19820910 JP 1982-11029 19820128  
 PRIORITY APPLN. INFO.: GB 1981-2662 A 19810129  
 GB 1981-12926 A 19810427  
 OTHER SOURCE(S): MARPAT 98:16287  
 IT 2795-52-0 79398-04-2  
 RL: PROC (Process)  
 (acidification of)  
 RN 2795-52-0 CAPLUS  
 CN Methanesulfonic acid, difluoro-, sodium salt (6CI, 8CI, 9CI) (CA INDEX NAME)



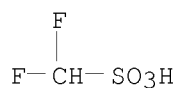
● Na

RN 79398-04-2 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, potassium salt (1:1) (CA INDEX NAME)



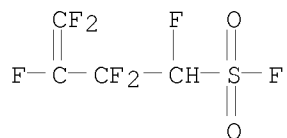
● K

IT 40856-07-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and use of, as alkylation catalyst)  
 RN 40856-07-3 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 208 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1982:617605 CAPLUS  
 DOCUMENT NUMBER: 97:217605  
 ORIGINAL REFERENCE NO.: 97:36537a,36540a  
 TITLE: Cation exchange membrane  
 INVENTOR(S): Ishigaki, Isao; Okamoto, Jiro; Harada, Hiroyuki  
 PATENT ASSIGNEE(S): Japan Atomic Energy Research Institute, Japan;  
 Chlorine Engineers Corp., Ltd.  
 SOURCE: Fr. Demande, 17 pp.  
 CODEN: FRXXBL  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

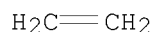
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2494126	A1	19820521	FR 1981-21412	19811116
FR 2494126	B1	19850628		
JP 57085826	A	19820528	JP 1980-161544	19801117
US 4396727	A	19830802	US 1981-318979	19811109
CA 1189018	A1	19850618	CA 1981-389796	19811110
GB 2088883	A	19820616	GB 1981-34414	19811116
GB 2088883	B	19841003		
PRIORITY APPLN. INFO.:			JP 1980-161544	A 19801117
OTHER SOURCE(S):			MARPAT 97:217605	
IT 83714-16-3				
RL: USES (Uses)				
(graft, for cation exchanger membranes)				
RN 83714-16-3 CAPLUS				
CN 3-Butene-1-sulfonyl fluoride, 1,2,2,3,4,4-hexafluoro-, polymer with ethene				
(9CI) (CA INDEX NAME)				
CM 1				
CRN 39821-32-4				
CMF C4 H F7 O2 S				



CM 2

CRN 74-85-1

CMF C2 H4



L17 ANSWER 209 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1982:605011 CAPLUS

DOCUMENT NUMBER: 97:205011

ORIGINAL REFERENCE NO.: 97:34221a,34224a

TITLE: Electrolysis of water

INVENTOR(S): Okamoto, Jiro; Ishigaki, Isao; Harada, Hiroyuki

PATENT ASSIGNEE(S): Japan Atomic Energy Research Institute , Japan; Chlorine Engineers Corp. Ltd.

SOURCE: Fr. Demande, 16 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

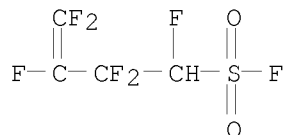
LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

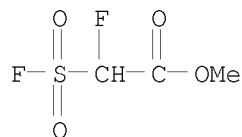
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2499594	A1	19820813	FR 1982-1930	19820205
FR 2499594	B1	19850201		

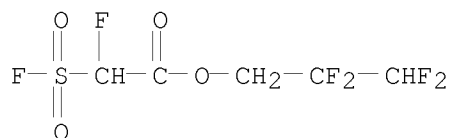
JP 57131376	A	19820814	JP 1981-16430	19810206
JP 61034515	B	19860808		
CA 1185558	A1	19850416	CA 1982-395403	19820202
US 4384941	A	19830524	US 1982-345528	19820203
GB 2094835	A	19820922	GB 1982-3512	19820208
PRIORITY APPLN. INFO.:			JP 1981-16430	A 19810206
IT 39821-32-4				
RL: PRP (Properties)				
(cation-exchange membrane containing, for water electrolysis)				
RN 39821-32-4	CAPLUS			
CN 3-Butene-1-sulfonyl fluoride, 1,2,2,3,4,4-hexafluoro-			(CA INDEX NAME)	



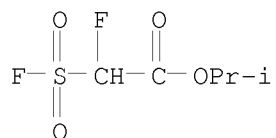
L17 ANSWER 210 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1982:562291 CAPLUS  
 DOCUMENT NUMBER: 97:162291  
 ORIGINAL REFERENCE NO.: 97:27061a,27064a  
 TITLE: Perfluoroacylfluorosulfonylfluoroacetic acid esters  
 AUTHOR(S): Eleev, A. F.; Ermolov, A. F.; Kutepov, A. P.;  
 Sokol'skii, G. A.; Chekholin, V. K.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Organicheskoi Khimii (1982), 18(8), 1679-83  
 CODEN: ZORKAE; ISSN: 0514-7492  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 97:162291  
 IT 815-36-1P 83305-80-0P 83305-81-1P  
 83305-82-2P 83305-83-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and acylation of)  
 RN 815-36-1 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)-, methyl ester (6CI, 7CI, 8CI, 9CI)  
 (CA INDEX NAME)



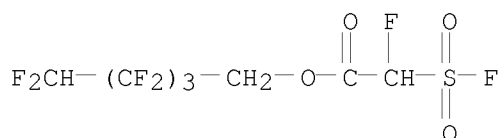
RN 83305-80-0 CAPLUS  
 CN Acetic acid, 2-fluoro-2-(fluorosulfonyl)-, 2,2,3,3-tetrafluoropropyl ester  
 (CA INDEX NAME)



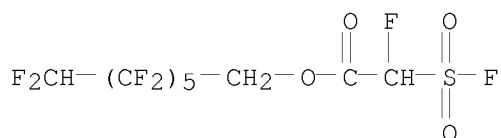
RN 83305-81-1 CAPLUS  
 CN Acetic acid, 2-fluoro-2-(fluorosulfonyl)-, 1-methylethyl ester (CA INDEX NAME)



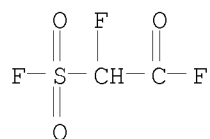
RN 83305-82-2 CAPLUS  
 CN Acetic acid, 2-fluoro-2-(fluorosulfonyl)-, 2,2,3,3,4,4,5,5-octafluoropentyl ester (CA INDEX NAME)



RN 83305-83-3 CAPLUS  
 CN Acetic acid, 2-fluoro-2-(fluorosulfonyl)-, 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl ester (CA INDEX NAME)

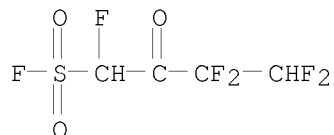


IT 2925-27-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and reaction with alcs.)  
 RN 2925-27-1 CAPLUS  
 CN Acetyl fluoride, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)

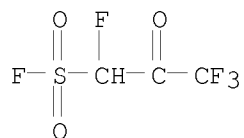


L17 ANSWER 211 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1982:562289 CAPLUS  
 DOCUMENT NUMBER: 97:162289  
 ORIGINAL REFERENCE NO.: 97:27061a,27064a  
 TITLE: Halogen-substituted perfluoroacetylmethane sulfonyl fluorides  
 AUTHOR(S): Ermolov, A. F.; Eleev, A. F.; Kutepov, A. P.; Sokol'skii, G. A.  
 CORPORATE SOURCE: USSR

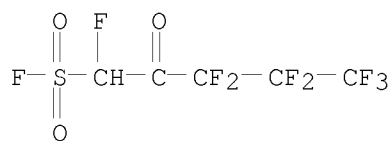
SOURCE: Zhurnal Organicheskoi Khimii (1982), 18(6), 1162-5  
 CODEN: ZORKAE; ISSN: 0514-7492  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 97:162289  
 IT 82955-49-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and reactions of)  
 RN 82955-49-5 CAPLUS  
 CN 1-Butanesulfonyl fluoride, 1,3,3,4,4-pentafluoro-2-oxo- (CA INDEX NAME)



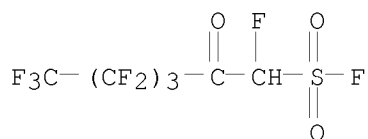
IT 80703-30-6P 82955-50-8P 82955-51-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 80703-30-6 CAPLUS  
 CN 1-Propanesulfonyl fluoride, 1,3,3,3-tetrafluoro-2-oxo- (CA INDEX NAME)



RN 82955-50-8 CAPLUS  
 CN 1-Pentanesulfonyl fluoride, 1,3,3,4,4,5,5,5-octafluoro-2-oxo- (CA INDEX NAME)

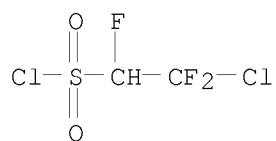


RN 82955-51-9 CAPLUS  
 CN 1-Hexanesulfonyl fluoride, 1,3,3,4,4,5,5,6,6,6-decafluoro-2-oxo- (CA INDEX NAME)

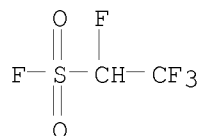


L17 ANSWER 212 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1982:562285 CAPLUS  
 DOCUMENT NUMBER: 97:162285

ORIGINAL REFERENCE NO.: 97:27061a,27064a  
 TITLE: Reaction of sulfur chlorides with polyfluoroalkenes  
 AUTHOR(S): Il'in, G. F.; Kolomiets, A. F.; Sokol'skii, G. A.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D.  
 I. Mendeleeva (1982), 27(3), 347-8  
 CODEN: ZVKOA6; ISSN: 0373-0247  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 97:162285  
 IT 83353-94-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 83353-94-0 CAPLUS  
 CN Ethanesulfonyl chloride, 2-chloro-1,2,2-trifluoro- (CA INDEX NAME)



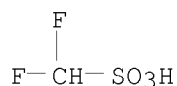
L17 ANSWER 213 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1982:491689 CAPLUS  
 DOCUMENT NUMBER: 97:91689  
 ORIGINAL REFERENCE NO.: 97:15283a,15286a  
 TITLE: Geminal fluorosulfonylfluorosulfonyl-containing  
 compounds  
 AUTHOR(S): Eleev, A. F.; Sokol'skii, G. A.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Organicheskoi Khimii (1982), 18(5), 975-7  
 CODEN: ZORKAE; ISSN: 0514-7492  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 97:91689  
 IT 2127-74-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with peroxydisulfuryl difluoride,  
 (fluorosulfonyl)fluoroethylsulfonyl fluoride by)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



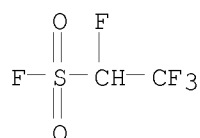
L17 ANSWER 214 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1982:406999 CAPLUS  
 DOCUMENT NUMBER: 97:6999  
 ORIGINAL REFERENCE NO.: 97:1349a,1352a  
 TITLE: Aromatic polysulfones  
 INVENTOR(S): Rose, John Brewster  
 PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK  
 SOURCE: Eur. Pat. Appl., 35 pp.

CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 49070	A1	19820407	EP 1981-304211	19810915
EP 49070	B1	19840808		
R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
AT 8905	T	19840815	AT 1981-304211	19810915
US 4415720	A	19831115	US 1981-304556	19810922
CA 1183995	A1	19850312	CA 1981-386685	19810925
JP 57145126	A	19820908	JP 1981-154952	19811001
PRIORITY APPLN. INFO.:			GB 1980-31595	A 19801001
			GB 1980-31596	A 19801001
			GB 1981-400	A 19810108
			GB 1981-13228	A 19810429
			GB 1981-13229	A 19810429
			GB 1981-14967	A 19810515
			EP 1981-304211	A 19810915
IT 40856-07-3				
RL: CAT (Catalyst use); USES (Uses)				
(catalysts, for polymerization of aromatic polysulfones)				
RN 40856-07-3	CAPLUS			
CN	Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)			

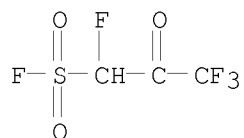


L17 ANSWER 215 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1982:68269 CAPLUS  
DOCUMENT NUMBER: 96:68269  
ORIGINAL REFERENCE NO.: 96:11213a,11216a  
TITLE: Desulfonylation of fluorosulfonyl-containing compounds  
AUTHOR(S): Ermolov, A. F.; Eleev, A. F.; Kutepov, A. P.; Sokol'skii, G. A.  
CORPORATE SOURCE: USSR  
SOURCE: Zhurnal Organicheskoi Khimii (1981), 17(10), 2239-40  
CODEN: ZORKAE; ISSN: 0514-7492  
DOCUMENT TYPE: Journal  
LANGUAGE: Russian  
OTHER SOURCE(S): CASREACT 96:68269  
IT 2127-74-4 80703-30-6  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(desulfonylation of, with antimony pentafluoride)  
RN 2127-74-4 CAPLUS  
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)





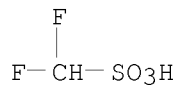
RN 80703-30-6 CAPLUS  
CN 1-Propanesulfonyl fluoride, 1,3,3,3-tetrafluoro-2-oxo- (CA INDEX NAME)



L17 ANSWER 216 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1981:568547 CAPLUS  
DOCUMENT NUMBER: 95:168547  
ORIGINAL REFERENCE NO.: 95:28157a,28160a  
TITLE: Alkali metal difluoromethanesulfonates  
INVENTOR(S): Langlois, Bernard  
PATENT ASSIGNEE(S): Rhone-Poulenc Industries S. A., Fr.  
SOURCE: Eur. Pat. Appl., 9 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

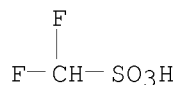
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 28964	A1	19810520	EP 1980-401533	19801029
EP 28964	B1	19821215		
R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
FR 2469401	A1	19810522	FR 1979-27889	19791113
FR 2469401	B1	19840203		
AT 1991	T	19821215	AT 1980-401533	19801029
JP 56127349	A	19811006	JP 1980-158933	19801113
JP 57036275	B	19820803		
US 4459242	A	19840710	US 1982-422394	19820924
PRIORITY APPLN. INFO.:			FR 1979-27889	A 19791113
			EP 1980-401533	A 19801029
			US 1980-202242	A1 19801030

OTHER SOURCE(S): MARPAT 95:168547  
IT 2795-52-0P 79398-04-2P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 2795-52-0 CAPLUS  
CN Methanesulfonic acid, difluoro-, sodium salt (6CI, 8CI, 9CI) (CA INDEX NAME)



● Na

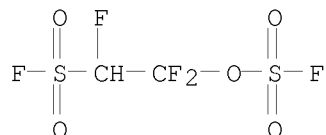
RN 79398-04-2 CAPLUS  
CN Methanesulfonic acid, 1,1-difluoro-, potassium salt (1:1) (CA INDEX NAME)



● K

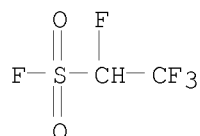
L17 ANSWER 217 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1981:480150 CAPLUS  
 DOCUMENT NUMBER: 95:80150  
 ORIGINAL REFERENCE NO.: 95:13547a,13550a  
 TITLE: Perfluoroallyl fluorosulfate and its sultone and processes for their preparation  
 INVENTOR(S): England, David Charles; Krespan, Carl George  
 PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA  
 SOURCE: Brit. UK Pat. Appl., 7 pp.  
 CODEN: BAXXDU  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2027709	A	19800227	GB 1979-27473	19790807
GB 2027709	B	19830106		
US 4206138	A	19800603	US 1978-931905	19780808
JP 55027185	A	19800227	JP 1979-99525	19790806
JP 58005908	B	19830202		
FR 2433511	A1	19800314	FR 1979-20180	19790807
FR 2433511	B1	19840323		
DE 2932179	A1	19800306	DE 1979-2932179	19790808
DE 2932179	C2	19920409		
JP 57141411	A	19820901	JP 1982-446	19820106
JP 62038362	B	19870818		
FR 2528855	A1	19831223	FR 1983-14036	19830901
PRIORITY APPLN. INFO.:			US 1978-931904	A 19780808
			US 1978-931905	A 19780808
IT 74403-76-2P				
RL: SPN (Synthetic preparation); PREP (Preparation)				
(preparation of)				
RN 74403-76-2 CAPLUS				
CN Ethanesulfonyl fluoride, 1,2,2-trifluoro-2-[(fluorosulfonyl)oxy]- (CA INDEX NAME)				



L17 ANSWER 218 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1981:442279 CAPLUS  
 DOCUMENT NUMBER: 95:42279  
 ORIGINAL REFERENCE NO.: 95:7237a,7240a  
 TITLE: 2-(Fluorosulfonyl)polyfluoro-3-alkanones

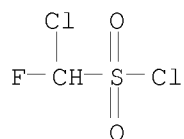
AUTHOR(S): Eleev, A. F.; Chekholin, V. K.; Ermolov, A. F.;  
 Kutepov, A. P.; Sokol'skii, G. A.  
 CORPORATE SOURCE: USSR  
 SOURCE: Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D.  
 I. Mendeleeva (1981), 26(1), 103-5  
 CODEN: ZVKOA6; ISSN: 0373-0247  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 95:42279  
 IT 2127-74-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with anhydrides)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



L17 ANSWER 219 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1981:406507 CAPLUS  
 DOCUMENT NUMBER: 95:6507  
 ORIGINAL REFERENCE NO.: 95:1235a,1238a  
 TITLE: Chlorofluorinated sulfonic acids  
 INVENTOR(S): Sweeney, Richard F.; Peterson, James O.; Sukornick,  
 Bernard; Berenbaum, Morris B.; Nychka, Henry R.;  
 Eibeck, Richard E.  
 PATENT ASSIGNEE(S): Allied Chemical Corp., USA  
 SOURCE: Can., 41 pp.  
 CODEN: CAXXA4  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

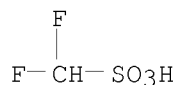
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 1093581	A1	19810113	CA 1976-267946	19761215
PRIORITY APPLN. INFO.:			US 1975-642833	A 19751222

IT 65269-92-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (exchange reaction of, with hydrogen fluoride, catalysts for)  
 RN 65269-92-3 CAPLUS  
 CN Methanesulfonyl chloride, 1-chloro-1-fluoro- (CA INDEX NAME)



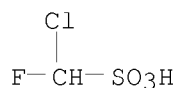
IT 40856-07-3P 40856-08-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 40856-07-3 CAPLUS

CN Methanesulfonic acid, 1,1-difluoro- (CA INDEX NAME)



RN 40856-08-4 CAPLUS

CN Methanesulfonic acid, 1-chloro-1-fluoro- (CA INDEX NAME)



L17 ANSWER 220 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1981:31274 CAPLUS

DOCUMENT NUMBER: 94:31274

ORIGINAL REFERENCE NO.: 94:5169a,5172a

TITLE: Perfluoroallyl fluorosulfate and its sultone and processes for their preparation

INVENTOR(S): England, David Charles; Krespan, Carl George

PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA

SOURCE: Brit. UK Pat. Appl., 7 pp.

CODEN: BAXXDU

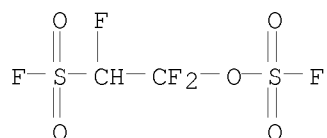
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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GB 2027709		19800227	GB 1979-27473	19790807
PRIORITY APPLN. INFO.:			US 1978-931904	19780808
IT 74403-76-2P				
RL: PREP (Preparation)				
(preparation of, by reaction of sultone of perfluoroallyl fluorosulfate and water)				
RN 74403-76-2 CAPLUS				
CN Ethanesulfonyl fluoride, 1,2,2-trifluoro-2-[(fluorosulfonyl)oxy]- (CA INDEX NAME)				



L17 ANSWER 221 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1980:594947 CAPLUS

DOCUMENT NUMBER: 93:194947

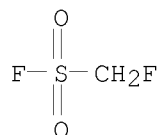
ORIGINAL REFERENCE NO.: 93:30936h,30937a

TITLE: NMR determination of the signs of all the coupling constants in CH<sub>n</sub>F<sub>3-n</sub>SO<sub>2</sub>F

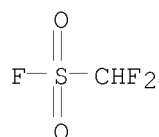
AUTHOR(S): Newmark, Richard A.; Chung, Chae-Yoo

CORPORATE SOURCE: Commer. Chem. Div., 3M Co., St. Paul, MN, 55101, USA

SOURCE: Journal of Magnetic Resonance (1969-1992) (1980),  
 40(3), 483-8  
 CODEN: JOMRA4; ISSN: 0022-2364  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 1426-07-9 1554-47-8  
 RL: PRP (Properties)  
 (nuclear spin-spin coupling constant signs of)  
 RN 1426-07-9 CAPLUS  
 CN Methanesulfonyl fluoride, fluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)

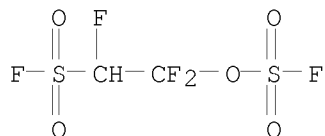


L17 ANSWER 222 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1980:472579 CAPLUS  
 DOCUMENT NUMBER: 93:72579  
 ORIGINAL REFERENCE NO.: 93:11819a,11822a  
 TITLE: Perfluoroallyl fluorosulfate and its sultones  
 INVENTOR(S): Krespan, Carl G.; England, David C.  
 PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA  
 SOURCE: Belg., 18 pp.  
 CODEN: BEXXAL  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

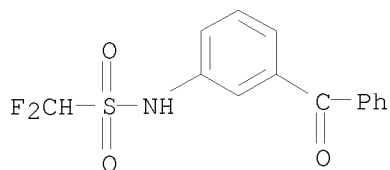
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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BE 878131	A1	19800207	BE 1979-196641	19790807
US 4206138	A	19800603	US 1978-931905	19780808
JP 55027185	A	19800227	JP 1979-99525	19790806
JP 58005908	B	19830202		
FR 2433511	A1	19800314	FR 1979-20180	19790807
FR 2433511	B1	19840323		
DE 2932179	A1	19800306	DE 1979-2932179	19790808
DE 2932179	C2	19920409		
JP 57141411	A	19820901	JP 1982-446	19820106
JP 62038362	B	19870818		
FR 2528855	A1	19831223	FR 1983-14036	19830901
PRIORITY APPLN. INFO.:			US 1978-931904	A 19780808
			US 1978-931905	A 19780808

IT 74403-76-2P  
 RL: PREP (Preparation)

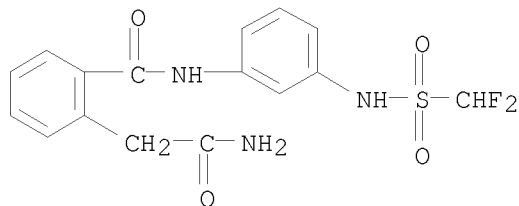
(preparation of)  
 RN 74403-76-2 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2-trifluoro-2-[(fluorosulfonyl)oxy]- (CA INDEX NAME)



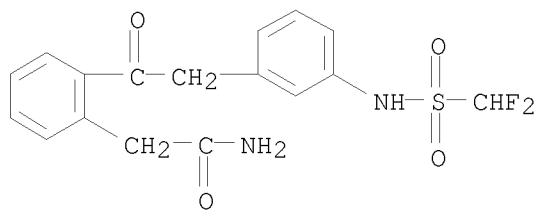
L17 ANSWER 223 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1980:461036 CAPLUS  
 DOCUMENT NUMBER: 93:61036  
 ORIGINAL REFERENCE NO.: 93:9783a,9786a  
 TITLE: Structure-activity relationships in antiinflammatory drugs and predictability  
 AUTHOR(S): Mager, Peter P.; Metzner, J.; Paintz, M.; Wenzel, U.  
 CORPORATE SOURCE: Sect. Pharm., Martin Luther Univ. Halle-Wittenberg, Halle, 402, Ger. Dem. Rep.  
 SOURCE: Scientia Pharmaceutica (1980), 48(1), 7-13  
 CODEN: SCPHA4; ISSN: 0036-8709  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 22736-85-2 74192-45-3 74201-08-4  
 74211-26-0  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
 (inflammation inhibiting activity of, physicochem. consts. in relation to)  
 RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



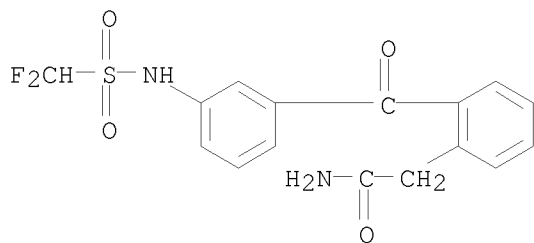
RN 74192-45-3 CAPLUS  
 CN Benzeneacetamide, 2-[[[3-[[[(difluoromethyl)sulfonyl]amino]phenyl]amino]carbonyl]- (CA INDEX NAME)



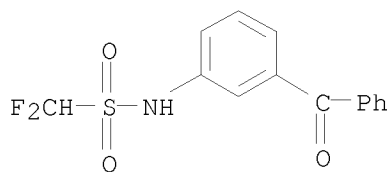
RN 74201-08-4 CAPLUS  
 CN Benzeneacetamide, 2-[2-[3-[[[(difluoromethyl)sulfonyl]amino]phenyl]acetyl]- (CA INDEX NAME)



RN 74211-26-0 CAPLUS  
 CN Benzeneacetamide, 2-[3-[[[(difluoromethyl)sulfonyl]amino]benzoyl]-1,1-difluoro-2-phenylacetamide] (CA INDEX NAME)

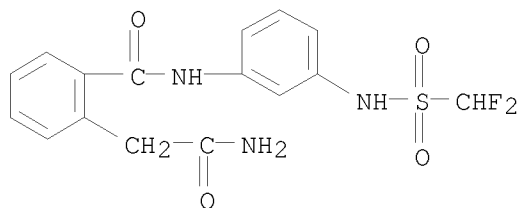


L17 ANSWER 224 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1980:436806 CAPLUS  
 DOCUMENT NUMBER: 93:36806  
 ORIGINAL REFERENCE NO.: 93:5909a,5912a  
 TITLE: Structure-activity relationships in salicylic and benzoic acid derivatives  
 AUTHOR(S): Mager, P. P.; Wenzel, U.  
 CORPORATE SOURCE: Sekt. Pharm., Martin-Luther-Univ. Halle-Wittenberg, Halle/Saale, Ger. Dem. Rep.  
 SOURCE: Zentralblatt fuer Pharmazie, Pharmakotherapie und Laboratoriumsdiagnostik (1979), 118(12), 1259-75  
 CODEN: ZPPLBF; ISSN: 0049-8696  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 IT 22736-85-2 74192-45-3 74201-08-4  
 74211-26-0  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (pharmacol. of, phys. chemical parameters in)  
 RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



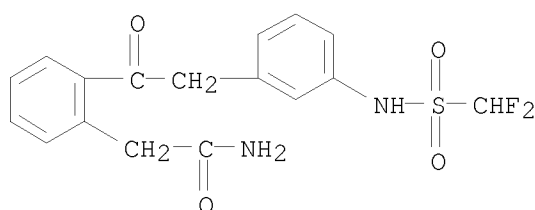
RN 74192-45-3 CAPLUS  
 CN Benzeneacetamide, 2-[[[3-[[[(difluoromethyl)sulfonyl]amino]phenyl]amino]car

bonyl]- (CA INDEX NAME)



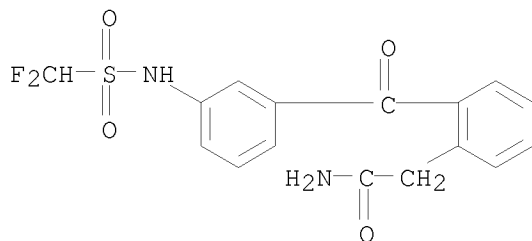
RN 74201-08-4 CAPLUS

CN Benzeneacetamide, 2-[2-[3-[(difluoromethyl)sulfonyl]amino]phenyl]acetyl]-  
(CA INDEX NAME)



RN 74211-26-0 CAPLUS

CN Benzeneacetamide, 2-[3-[(difluoromethyl)sulfonyl]amino]benzoyl]- (CA  
INDEX NAME)



L17 ANSWER 225 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1980:51915 CAPLUS

DOCUMENT NUMBER: 92:51915

ORIGINAL REFERENCE NO.: 92:8479a,8482a

TITLE: Evaluation of antiinflammatory and antithrombotic  
drugs in pulmonary and arterial thrombosis

AUTHOR(S): Vigdahl, Roger L.; Ferber, Richard H.; Parrish, Sharon  
L.

CORPORATE SOURCE: Riker Lab., 3M Co., St. Paul, MN, 55101, USA

SOURCE: Thrombosis Research (1979), 16(1-2), 117-27  
CODEN: THBRAA; ISSN: 0049-3848

DOCUMENT TYPE: Journal

LANGUAGE: English

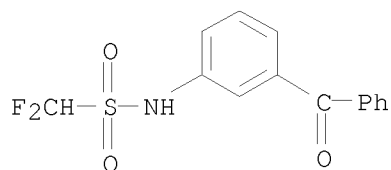
IT 22736-85-2

RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(antithrombotic activity of)

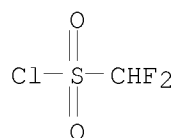
RN 22736-85-2 CAPLUS

CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)

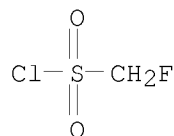




L17 ANSWER 226 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1979:203430 CAPLUS  
 DOCUMENT NUMBER: 90:203430  
 ORIGINAL REFERENCE NO.: 90:32349a,32352a  
 TITLE: Fluoroalkanesulfonyl chlorides  
 AUTHOR(S): Moore, George G. I.  
 CORPORATE SOURCE: Riker Lab., Inc., St. Paul, MN, USA  
 SOURCE: Journal of Organic Chemistry (1979), 44(10), 1708-11  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 1512-30-7P 42497-69-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 1512-30-7 CAPLUS  
 CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



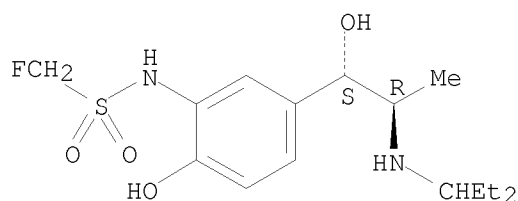
RN 42497-69-8 CAPLUS  
 CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



L17 ANSWER 227 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1978:180742 CAPLUS  
 DOCUMENT NUMBER: 88:180742  
 ORIGINAL REFERENCE NO.: 88:28287a,28290a  
 TITLE: 2'-Hydroxy-5'-[1-hydroxy-2-(3"-  
 pentylamino)propyl]fluoromethanesulfonamide  
 hydrochloride  
 AUTHOR(S): Mathew, M.; Palenik, Gus J.  
 CORPORATE SOURCE: Cent. Mol. Struct., Univ. Florida, Gainesville, FL,  
 USA  
 SOURCE: Acta Crystallographica, Section B: Structural  
 Crystallography and Crystal Chemistry (1978), B34(3),  
 970-3  
 CODEN: ACBCAR; ISSN: 0567-7408

DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 66473-18-5  
 RL: PRP (Properties)  
 (crystal structure of)  
 RN 66473-18-5 CAPLUS  
 CN Methanesulfonamide, N-[5-[(1R,2S)-2-[(1-ethylpropyl)amino]-1-hydroxypropyl]-2-hydroxyphenyl]-1-fluoro-, hydrochloride (1:1), rel- (CA INDEX NAME)

Relative stereochemistry.

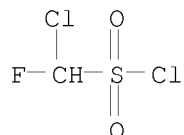


● HCl

L17 ANSWER 228 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1978:36693 CAPLUS  
 DOCUMENT NUMBER: 88:36693  
 ORIGINAL REFERENCE NO.: 88:5769a,5772a  
 TITLE: Chlorofluorinated acyclic hydrocarbons  
 INVENTOR(S): Nychka, Henry R.; Eibeck, Richard E.; Berenbaum, Morris B.; Petersen, James O.; Sweeney, Richard F.; Sukornick, Bernard  
 PATENT ASSIGNEE(S): Allied Chemical Corp., USA  
 SOURCE: Ger. Offen., 148 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2658139	A1	19770623	DE 1976-2658139	19761222
US 4012453	A	19770315	US 1975-642873	19751222
US 4052468	A	19771004	US 1975-642835	19751222
US 4052470	A	19771004	US 1975-642874	19751222
US 4060555	A	19771129	US 1975-642832	19751222
US 4105691	A	19780808	US 1975-642834	19751222
CA 1049037	A1	19790220	CA 1976-267566	19761209
CA 1067518	A1	19791204	CA 1976-267908	19761215
CA 1067523	A1	19791204	CA 1976-267909	19761215
CA 1067522	A1	19791204	CA 1976-267928	19761215
JP 52078801	A	19770702	JP 1976-153004	19761221
PRIORITY APPLN. INFO.:			US 1975-642831	A 19751222
			US 1975-642832	A 19751222
			US 1975-642833	A 19751222
			US 1975-642834	A 19751222
			US 1975-642835	A 19751222
			US 1975-642873	A 19751222
			US 1975-642874	A 19751222

IT 65269-92-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (chlorofluorination of)  
 RN 65269-92-3 CAPLUS  
 CN Methanesulfonyl chloride, 1-chloro-1-fluoro- (CA INDEX NAME)



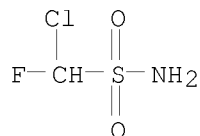
L17 ANSWER 229 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1978:11907 CAPLUS  
 DOCUMENT NUMBER: 88:11907  
 ORIGINAL REFERENCE NO.: 88:1869a,1872a  
 TITLE: Parasitocidal composition  
 INVENTOR(S): Forsyth, Bruce Adam; Warner, Richard Burrridge  
 PATENT ASSIGNEE(S): ICI Australia Ltd., Australia  
 SOURCE: Pat. Specif. (Aust.), 15 pp.  
 CODEN: ALXXAP  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
AU 481001	B	19770310	AU 1974-74414	19741016
PRIORITY APPLN. INFO.:			AU 1974-74414	19741016

IT 56560-69-1  
 RL: BIOL (Biological study)  
 (in anthelmintic veterinary compns.)  
 RN 56560-69-1 CAPLUS  
 CN Methanesulfonamide, 1-chloro-1-fluoro-, mixt. with  
 1-fluoromethanesulfonamide (9CI) (CA INDEX NAME)

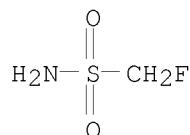
CM 1

CRN 56560-68-0  
 CMF C H3 Cl F N O2 S



CM 2

CRN 50585-72-3  
 CMF C H4 F N O2 S



L17 ANSWER 230 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1977:533914 CAPLUS  
 DOCUMENT NUMBER: 87:133914  
 ORIGINAL REFERENCE NO.: 87:21289a,21292a  
 TITLE: Chloroamino esters of pyridinecarboxylates and derivatives  
 INVENTOR(S): Kaminski, James J.; Bodor, Nicolae S.  
 PATENT ASSIGNEE(S): INTERx Research Corp., USA  
 SOURCE: U.S., 11 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
US 4036843	A	19770719	US 1975-632012	19751114
US 4171452	A	19791016	US 1977-797469	19770516
US 4115588	A	19780919	US 1977-803868	19770606
US 4132805	A	19790102	US 1977-838907	19771003
PRIORITY APPLN. INFO.:			US 1975-632012	A3 19751114
			US 1977-803868	A3 19770606

OTHER SOURCE(S): MARPAT 87:133914

IT 64249-96-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and bactericidal and fungicidal activity of)

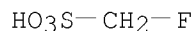
RN 64249-96-3 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-(dichloroamino)-2-methylpropyl ester, mono(fluoromethanesulfonate) (9CI) (CA INDEX NAME)

CM 1

CRN 64249-95-2

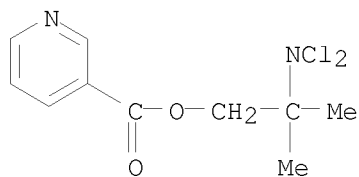
CMF C H3 F O3 S



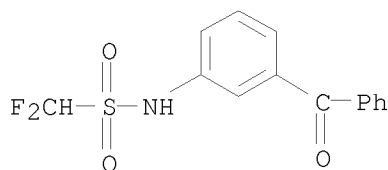
CM 2

CRN 61542-28-7

CMF C10 H12 C12 N2 O2



L17 ANSWER 231 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1977:527158 CAPLUS  
 DOCUMENT NUMBER: 87:127158  
 ORIGINAL REFERENCE NO.: 87:20113a,20116a  
 TITLE: Mechanism of action of novel anti-inflammatory drugs  
 diflumidone and R-805  
 AUTHOR(S): Vigdahl, Roger L.; Tukey, Robert H.  
 CORPORATE SOURCE: Riker Lab. Inc., 3M Co., St. Paul, MN, USA  
 SOURCE: Biochemical Pharmacology (1977), 26(4), 307-11  
 CODEN: BCPA6; ISSN: 0006-2952  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 22736-85-2  
 RL: BIOL (Biological study)  
 (prostaglandin formation and blood platelet aggregation inhibition by,  
 antiinflammatory action in relation to)  
 RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



L17 ANSWER 232 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1977:139625 CAPLUS  
 DOCUMENT NUMBER: 86:139625  
 ORIGINAL REFERENCE NO.: 86:21913a,21916a  
 TITLE: (Fluoromethanesulfonamido)benzophenones  
 INVENTOR(S): Robertson, Jerry E.; Harrington, Joseph K.; Kvam,  
 Donald C.  
 PATENT ASSIGNEE(S): Riker Laboratories, Inc., USA  
 SOURCE: U. S. Reissue, 9 pp. Reissue of U.S. 3,576,866.  
 CODEN: UUXXA2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 29032	E	19761109	US 1975-632572	19751117
GB 1251504	A	19711027	GB 1968-52348	19681105
CH 547265	A	19740329	CH 1968-17589	19681126
BR 6906155	D0	19730313	BR 1969-206155	19690205
US 3576866	A	19710427	US 1969-832824	19690612
US 3758688	A	19730911	US 1972-256377	19720524

PRIORITY APPLN. INFO.:

US 1966-588338	A2 19661021
US 1968-719741	A2 19680408
US 1969-832824	A5 19690612
GB 1967-47927	A 19671020
US 1970-45413	A2 19700611

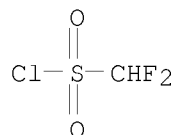
OTHER SOURCE(S): MARPAT 86:139625

IT 1512-30-7 42497-69-8

RL: RCT (Reactant); RACT (Reactant or reagent)  
(amidation of, by aminobenzophenones)

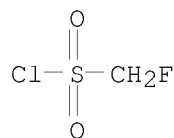
RN 1512-30-7 CAPLUS

CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 42497-69-8 CAPLUS

CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)

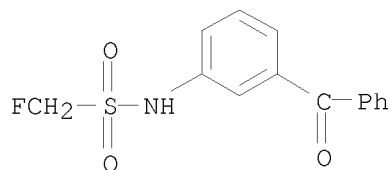


IT 22736-84-1P 22736-85-2P 22736-86-3P  
22736-87-4P 22736-88-5P 22736-89-6P  
22736-90-9P 22736-91-0P 22736-92-1P  
22736-93-2P 22736-94-3P 22736-95-4P  
22736-96-5P 22736-97-6P 22736-98-7P  
22736-99-8P 22737-00-4P 22737-01-5P  
22737-02-6P 22737-04-8P 23093-01-8P  
34641-05-9P 34641-08-2P 34641-10-6P  
34793-49-2P 34793-50-5P 62261-65-8P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

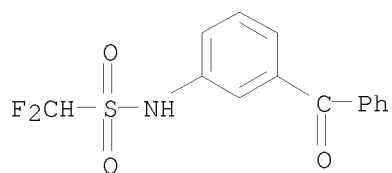
RN 22736-84-1 CAPLUS

CN Methanesulfonamide, N-(3-benzoylphenyl)-1-fluoro- (CA INDEX NAME)



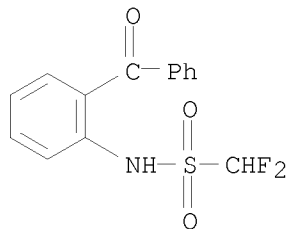
RN 22736-85-2 CAPLUS

CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



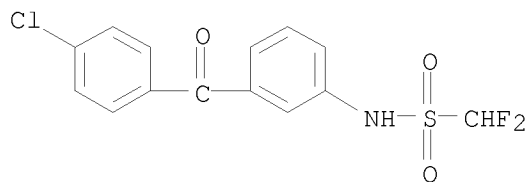
RN 22736-86-3 CAPLUS

CN Methanesulfonamide, N-(2-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



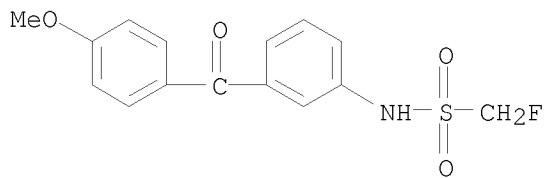
RN 22736-87-4 CAPLUS

CN Methanesulfonamide, N-[3-(4-chlorobenzoyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



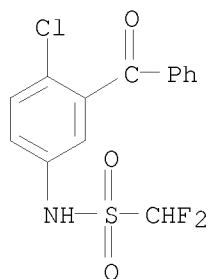
RN 22736-88-5 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[3-(4-methoxybenzoyl)phenyl]- (CA INDEX NAME)



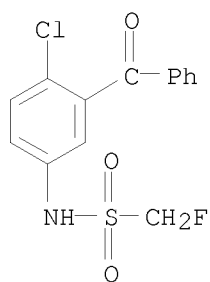
RN 22736-89-6 CAPLUS

CN Methanesulfonamide, N-(3-benzoyl-4-chlorophenyl)-1,1-difluoro- (CA INDEX NAME)



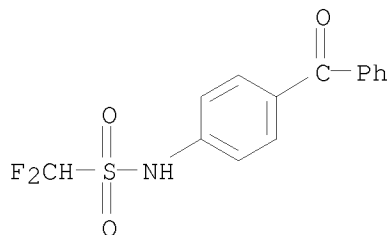
RN 22736-90-9 CAPLUS

CN Methanesulfonamide, N-(3-benzoyl-4-chlorophenyl)-1-fluoro- (CA INDEX NAME)



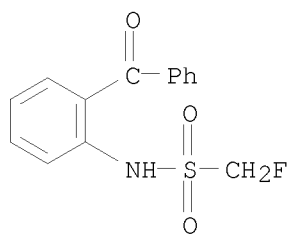
RN 22736-91-0 CAPLUS

CN Methanesulfonamide, N-(4-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



RN 22736-92-1 CAPLUS

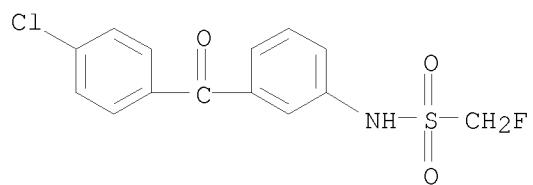
CN Methanesulfonamide, N-(2-benzoylphenyl)-1-fluoro- (CA INDEX NAME)



RN 22736-93-2 CAPLUS

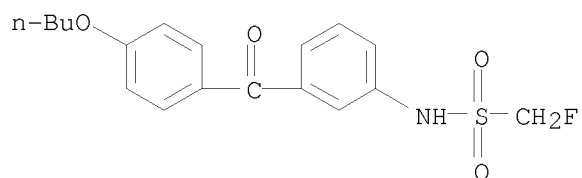
CN Methanesulfonamide, N-[3-(4-chlorobenzoyl)phenyl]-1-fluoro- (CA INDEX NAME)





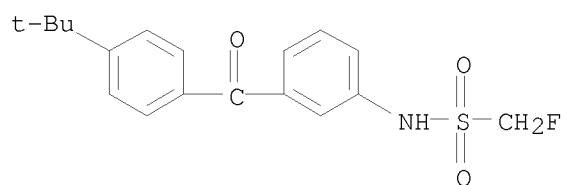
RN 22736-94-3 CAPLUS

CN Methanesulfonamide, N-[3-(4-butoxybenzoyl)phenyl]-1-fluoro- (CA INDEX NAME)



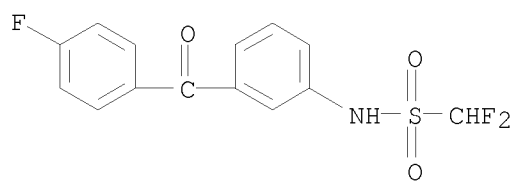
RN 22736-95-4 CAPLUS

CN Methanesulfonamide, N-[3-[4-(1,1-dimethylethyl)benzoyl]phenyl]-1-fluoro- (CA INDEX NAME)



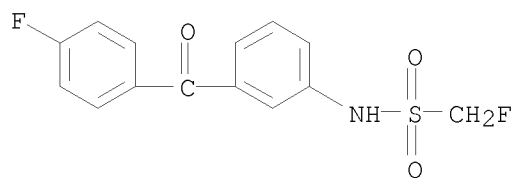
RN 22736-96-5 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-fluorobenzoyl)phenyl]- (CA INDEX NAME)



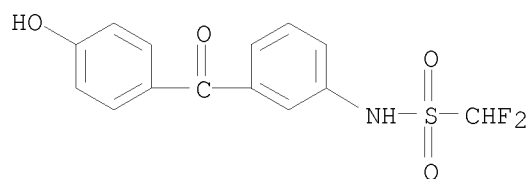
RN 22736-97-6 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[3-(4-fluorobenzoyl)phenyl]- (CA INDEX NAME)



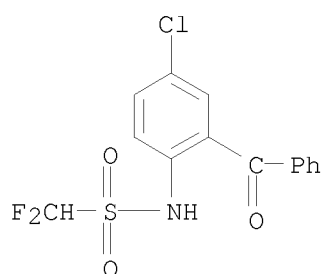
RN 22736-98-7 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-hydroxybenzoyl)phenyl]- (CA INDEX NAME)



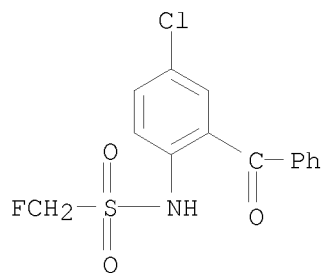
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CN Methanesulfonamide, N-(2-benzoyl-4-chlorophenyl)-1,1-difluoro- (CA INDEX NAME)



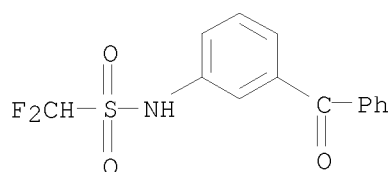
RN 22737-00-4 CAPLUS

CN Methanesulfonamide, N-(2-benzoyl-4-chlorophenyl)-1-fluoro- (CA INDEX NAME)



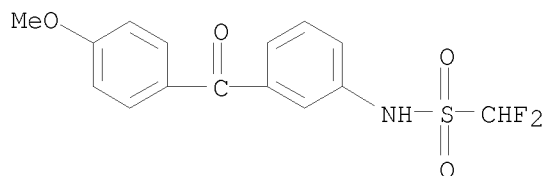
RN 22737-01-5 CAPLUS

CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)

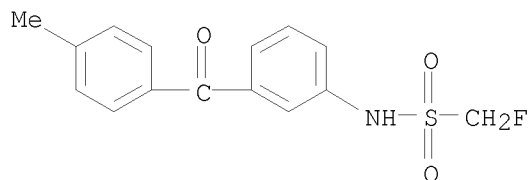


● Na

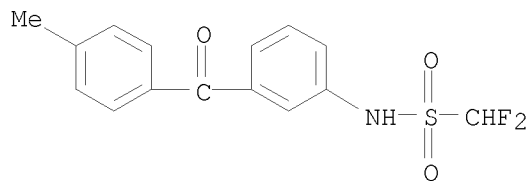
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 CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-methoxybenzoyl)phenyl]- (CA INDEX NAME)



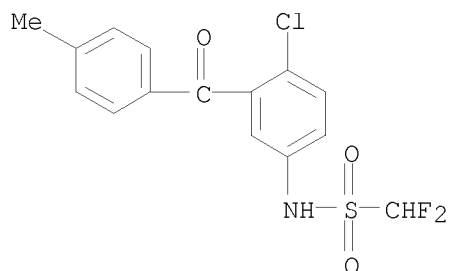
RN 22737-04-8 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[3-(4-methylbenzoyl)phenyl]- (CA INDEX NAME)



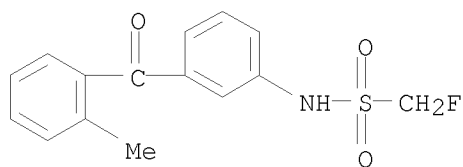
RN 23093-01-8 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-methylbenzoyl)phenyl]- (CA INDEX NAME)



RN 34641-05-9 CAPLUS  
 CN Methanesulfonamide, N-[4-chloro-3-(4-methylbenzoyl)phenyl]-1,1-difluoro- (CA INDEX NAME)

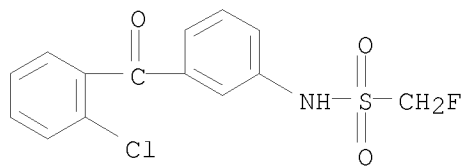


RN 34641-08-2 CAPLUS  
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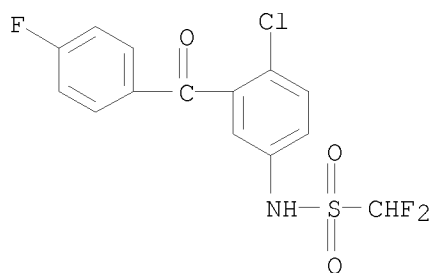
RN 34641-10-6 CAPLUS

CN Methanesulfonamide, N-[3-(2-chlorobenzoyl)phenyl]-1-fluoro- (CA INDEX NAME)



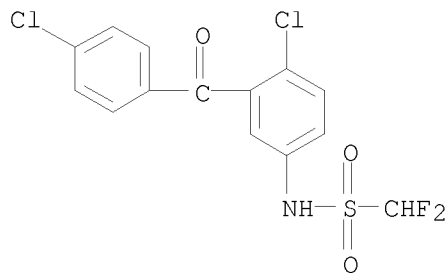
RN 34793-49-2 CAPLUS

CN Methanesulfonamide, N-[4-chloro-3-(4-fluorobenzoyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



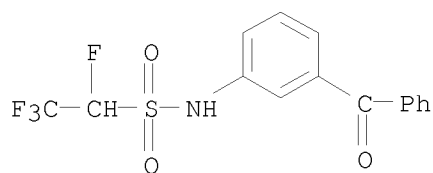
RN 34793-50-5 CAPLUS

CN Methanesulfonamide, N-[4-chloro-3-(4-chlorobenzoyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 62261-65-8 CAPLUS

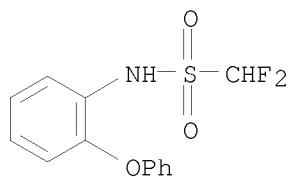
CN Ethanesulfonamide, N-(3-benzoylphenyl)-1,2,2,2-tetrafluoro- (CA INDEX NAME)



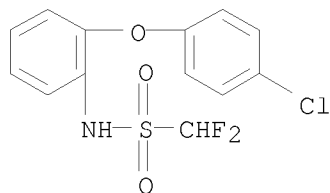
L17 ANSWER 233 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1977:29488 CAPLUS  
 DOCUMENT NUMBER: 86:29488  
 ORIGINAL REFERENCE NO.: 86:4707a,4710a  
 TITLE: Selective nitration of haloalkylsulfonanilides and  
 alkylsulfonanilides  
 INVENTOR(S): Moore, George G. I.; Lappi, Larry R.  
 PATENT ASSIGNEE(S): Riker Laboratories, Inc., USA  
 SOURCE: Can., 12 pp.  
 CODEN: CAXXA4  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 996577	A1	19760907	CA 1973-174707	19730622

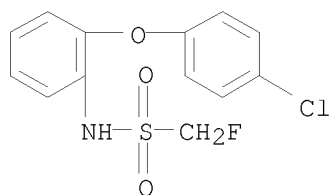
PRIORITY APPLN. INFO.:  
 IT 37984-10-4 55688-26-1 55688-27-2  
 55688-28-3  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (nitration of, selective)  
 RN 37984-10-4 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-(2-phenoxyphenyl)- (CA INDEX NAME)



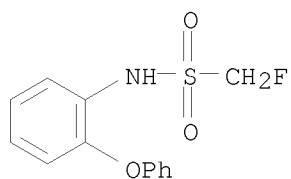
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 CN Methanesulfonamide, N-[2-(4-chlorophenoxy)phenyl]-1,1-difluoro- (CA INDEX NAME)



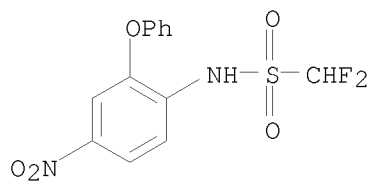
RN 55688-27-2 CAPLUS  
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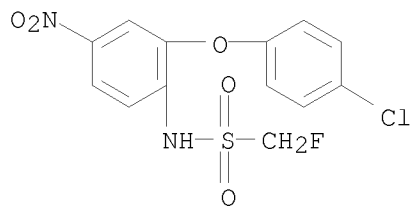
RN 55688-28-3 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-(2-phenoxyphenyl)- (CA INDEX NAME)



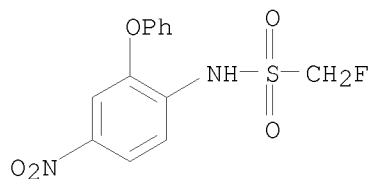
IT 37950-45-1P 51765-52-7P 52044-98-1P  
 55688-17-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 37950-45-1 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-(4-nitro-2-phenoxyphenyl)- (CA INDEX NAME)



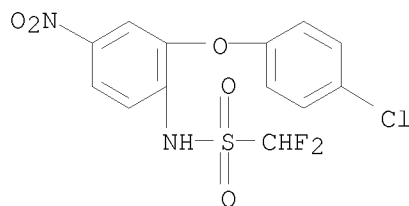
RN 51765-52-7 CAPLUS  
 CN Methanesulfonamide, N-[2-(4-chlorophenoxy)-4-nitrophenyl]-1-fluoro- (CA INDEX NAME)



RN 52044-98-1 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-(4-nitro-2-phenoxyphenyl)- (CA INDEX NAME)



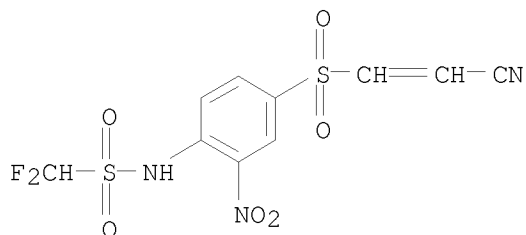
RN 55688-17-0 CAPLUS  
 CN Methanesulfonamide, N-[2-(4-chlorophenoxy)-4-nitrophenyl]-1,1-difluoro-  
 (CA INDEX NAME)



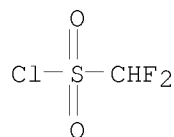
L17 ANSWER 234 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1976:462813 CAPLUS  
 DOCUMENT NUMBER: 85:62813  
 ORIGINAL REFERENCE NO.: 85:10105a,10108a  
 TITLE: Acylamides of  $\beta$ -cyanoethenesulfonyl-substituted aminoarenes  
 INVENTOR(S): Richter, Sven U. K. A.; Tsolis, Alexandros K.; Tsolis, Eleftheria A.  
 PATENT ASSIGNEE(S): Sanitized, Inc., USA  
 SOURCE: U.S., 24 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3943154	A	19760309	US 1973-337637	19730302
CA 1051018	A1	19790320	CA 1974-193883	19740301
PRIORITY APPLN. INFO.:			US 1973-337637	A 19730302

IT 59842-61-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 59842-61-4 CAPLUS  
 CN Methanesulfonamide, N-[4-[(2-cyanoethenyl)sulfonyl]-2-nitrophenyl]-1,1-difluoro- (CA INDEX NAME)



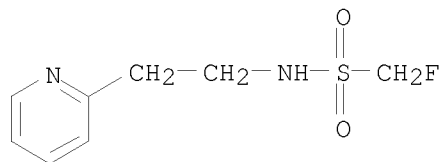
IT 1512-30-7  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with (aminophenylsulfonyl)acrylonitrile)  
 RN 1512-30-7 CAPLUS  
 CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



L17 ANSWER 235 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1975:578846 CAPLUS  
 DOCUMENT NUMBER: 83:178846  
 ORIGINAL REFERENCE NO.: 83:28081a,28084a  
 TITLE: N-(2-Benzimidazolyl)fluoroalkanesulfonamides  
 INVENTOR(S): Harrington, Joseph K.; Trepka, Robert D.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co., USA  
 SOURCE: U.S., 5 pp. Division of U.S. 3,766,193.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

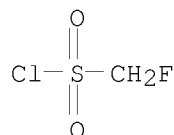
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 3897449	A	19750729	US 1973-378620	19730712
US 3629332	A	19711221	US 1969-795050	19690129
US 3766193	A	19731016	US 1971-150789	19710607
PRIORITY APPLN. INFO.:			US 1969-795050	A2 19690129
			US 1971-150789	A3 19710607

IT 36458-14-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 36458-14-7 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[2-(2-pyridinyl)ethyl]- (CA INDEX NAME)



IT 42497-69-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with heterocyclic methylamines)  
 RN 42497-69-8 CAPLUS  
 CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)





L17 ANSWER 236 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1975:508628 CAPLUS  
 DOCUMENT NUMBER: 83:108628  
 ORIGINAL REFERENCE NO.: 83:16997a,17000a  
 TITLE: Controlling inner parasites of warm blooded animals  
 INVENTOR(S): Forsyth, Bruce A.; Warner, Richard B.  
 PATENT ASSIGNEE(S): ICI Australia Ltd., Australia  
 SOURCE: Ger. Offen., 20 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

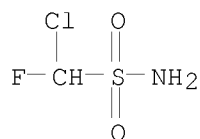
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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DE 2449088	A1	19750430	DE 1974-2449088	19741015
AU 7361074	A	19760325	AU 1974-73610	19731015
ZA 7406065	A	19751126	ZA 1974-6065	19740924
GB 1458636	A	19761215	GB 1974-41482	19740924
US 3978060	A	19760831	US 1974-510124	19740927
NL 7413323	A	19750417	NL 1974-13323	19741010
FR 2247222	A1	19750509	FR 1974-34506	19741014
CA 1033667	A1	19780627	CA 1974-211381	19741015
US 516804	I5	19760323	US 1974-516804	19741021
US 3991209	A	19761109		

PRIORITY APPLN. INFO.:  
 AU 1973-5252 A 19731015  
 AU 1973-5637 A 19731113  
 AU 1973-5787 A 19731127

IT 56560-69-1  
 RL: BIOL (Biological study)  
 (anthelmintic)  
 RN 56560-69-1 CAPLUS  
 CN Methanesulfonamide, 1-chloro-1-fluoro-, mixt. with  
 1-fluoromethanesulfonamide (9CI) (CA INDEX NAME)

CM 1

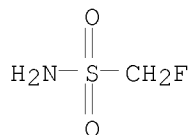
CRN 56560-68-0  
 CMF C H3 Cl F N O2 S



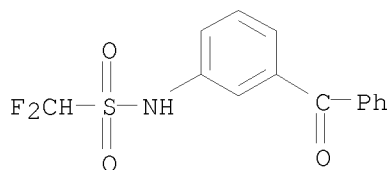
CM 2

CRN 50585-72-3

CMF C H4 F N O2 S



L17 ANSWER 237 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1975:491012 CAPLUS  
DOCUMENT NUMBER: 83:91012  
ORIGINAL REFERENCE NO.: 83:14225a,14228a  
TITLE: Profile of the rat gastrointestinal toxicity of drugs  
used to treat inflammatory diseases  
AUTHOR(S): Shriver, D. A.; White, C. B.; Sandor, A.; Rosenthale,  
M. E.  
CORPORATE SOURCE: Immunoinflammatory Pharmacol. Sect., Wyeth Lab. Inc.,  
Philadelphia, PA, USA  
SOURCE: Toxicology and Applied Pharmacology (1975), 32(1),  
73-83  
CODEN: TXAPA9; ISSN: 0041-008X  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 22737-01-5  
RL: PRP (Properties)  
(toxicity of, to digestive tract)  
RN 22737-01-5 CAPLUS  
CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
(CA INDEX NAME)

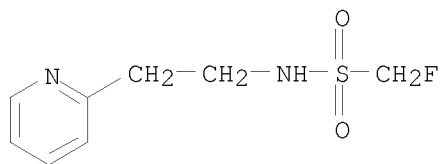


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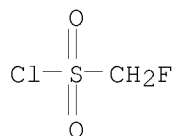
L17 ANSWER 238 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1975:479091 CAPLUS  
DOCUMENT NUMBER: 83:79091  
ORIGINAL REFERENCE NO.: 83:12411a,12414a  
TITLE: N-(Furylmethyl)fluoroalkanesulfonamides  
INVENTOR(S): Harrington, Joseph K.; Trepka, Robert D.  
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co., USA  
SOURCE: U. S. Publ. Pat. Appl. B, 5 pp. Avail. U.S. Pat.  
Trademark Off. Division of U.S. 3,766,193 (CA  
80;37012h).  
CODEN: USXXDP  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 5  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 378621	I5	19750128	US 1973-378621	19730712
US 3923840	A	19751202		
US 3629332	A	19711221	US 1969-795050	19690129
US 3766193	A	19731016	US 1971-150789	19710607
PRIORITY APPLN. INFO.:			US 1969-795050	A2 19690129
			US 1971-150789	A3 19710607

IT 36458-14-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 36458-14-7 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[2-(2-pyridinyl)ethyl]- (CA INDEX NAME)



IT 42497-69-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with heterocyclic methylamines)  
 RN 42497-69-8 CAPLUS  
 CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)

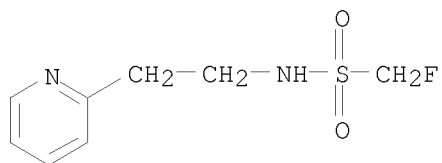


L17 ANSWER 239 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1975:409806 CAPLUS  
 DOCUMENT NUMBER: 83:9806  
 ORIGINAL REFERENCE NO.: 83:1629a  
 TITLE: N-(Thienylalkyl)-fluoroalkanesulfonadmixes  
 INVENTOR(S): Harrington, Joseph K.; Trepka, Robert D.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: U.S., 5 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

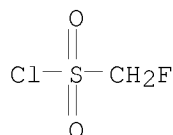
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3865844	A	19750211	US 1973-378622	19730712
US 3766193	A	19731016	US 1971-150789	19710607
PRIORITY APPLN. INFO.:			US 1971-150789	A3 19710607
			US 1969-795050	A2 19690129

IT 36458-14-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 36458-14-7 CAPLUS  
CN Methanesulfonamide, 1-fluoro-N-[2-(2-pyridinyl)ethyl]- (CA INDEX NAME)

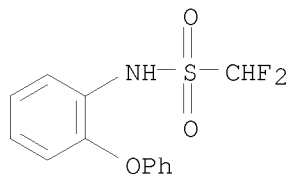


IT 42497-69-8  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with pyridylethylamine)  
RN 42497-69-8 CAPLUS  
CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



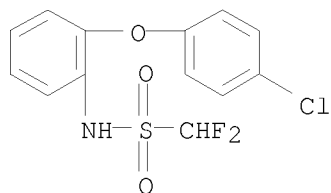
L17 ANSWER 240 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1975:170368 CAPLUS  
DOCUMENT NUMBER: 82:170368  
ORIGINAL REFERENCE NO.: 82:27205a,27208a  
TITLE: Selective nitration of alkanesulfonanilides  
INVENTOR(S): Moore, George G. I.; Lappi, Larry R.  
PATENT ASSIGNEE(S): Riker Laboratories, Inc.  
SOURCE: U.S., 4 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	US 3856859	A	19741224	US 1973-368359	19730608
PRIORITY APPLN. INFO.:				US 1973-368359	19730608
IT	37984-10-4 55688-26-1 55688-27-2				
	55688-28-3				
	RL: RCT (Reactant); RACT (Reactant or reagent)				
	(nitration of)				
RN	37984-10-4 CAPLUS				
CN	Methanesulfonamide, 1,1-difluoro-N-(2-phenoxyphenyl)-				(CA INDEX NAME)



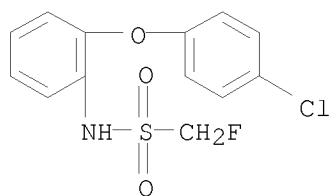
RN 55688-26-1 CAPLUS

CN Methanesulfonamide, N-[2-(4-chlorophenoxy)phenyl]-1,1-difluoro- (CA INDEX NAME)



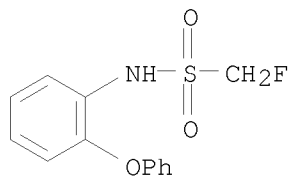
RN 55688-27-2 CAPLUS

CN Methanesulfonamide, N-[2-(4-chlorophenoxy)phenyl]-1-fluoro- (CA INDEX NAME)



RN 55688-28-3 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-(2-phenoxyphenyl)- (CA INDEX NAME)

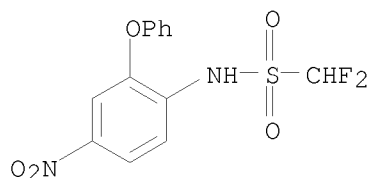


IT 37950-45-1P 51765-52-7P 52044-98-1P  
55688-17-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

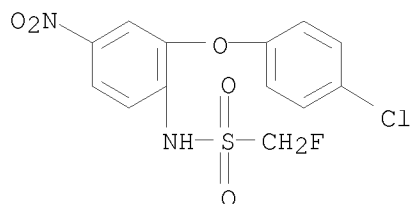
RN 37950-45-1 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-(4-nitro-2-phenoxyphenyl)- (CA INDEX NAME)

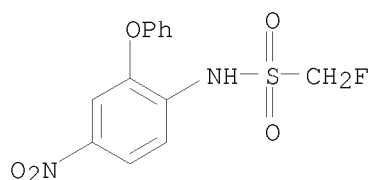


RN 51765-52-7 CAPLUS

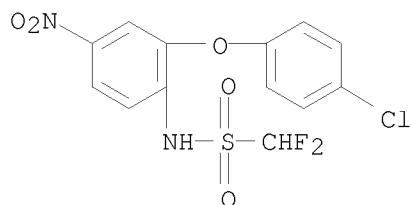
CN Methanesulfonamide, N-[2-(4-chlorophenoxy)-4-nitrophenyl]-1-fluoro- (CA INDEX NAME)



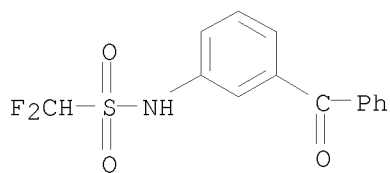
RN 52044-98-1 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-(4-nitro-2-phenoxyphenyl)- (CA INDEX NAME)



RN 55688-17-0 CAPLUS  
 CN Methanesulfonamide, N-[2-(4-chlorophenoxy)-4-nitrophenyl]-1,1-difluoro-  
 (CA INDEX NAME)

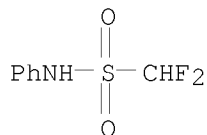


L17 ANSWER 241 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1975:93177 CAPLUS  
 DOCUMENT NUMBER: 82:93177  
 ORIGINAL REFERENCE NO.: 82:14855a,14858a  
 TITLE: Comparative activities, tolerances, and safety of  
 nonsteroidal antiinflammatory agents in rats  
 AUTHOR(S): Wax, J.; Winder, C. V.; Tessman, D. K.; Stephens, M.  
 D.  
 CORPORATE SOURCE: Res. Dev. Div., Parke, Davis and Co., Ann Arbor, MI,  
 USA  
 SOURCE: Journal of Pharmacology and Experimental Therapeutics  
 (1975), 192(1), 172-8  
 CODEN: JPETAB; ISSN: 0022-3565  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 22737-01-5  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); BIOL (Biological study)  
 (inflammation inhibitory activity of)  
 RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
 (CA INDEX NAME)

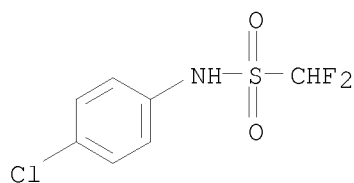


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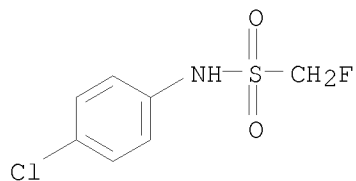
L17 ANSWER 242 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1975:27107 CAPLUS  
 DOCUMENT NUMBER: 82:27107  
 ORIGINAL REFERENCE NO.: 82:4309a  
 TITLE: Synthesis and herbicidal activity of fluorinated  
 N-phenylalkanesulfonamides  
 AUTHOR(S): Trepka, Robert D.; Harrington, Joseph K.; McConville,  
 John W.; McGurran, Kelly T.; Mendel, Arthur; Pauly,  
 David R.; Robertson, Jerry E.; Waddington, John T.  
 CORPORATE SOURCE: Cent. Res. Lab., 3M Co., St. Paul, MN, USA  
 SOURCE: Journal of Agricultural and Food Chemistry (1974),  
 22(6), 1111-19  
 CODEN: JAFCAU; ISSN: 0021-8561  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 658-43-5P 1513-31-1P 50585-76-7P  
 53718-59-5P 53718-60-8P 53718-61-9P  
 53718-62-0P 53718-63-1P 53718-64-2P  
 53718-65-3P 53718-66-4P 53719-36-1P  
 53719-37-2P 53719-38-3P 53719-39-4P  
 53719-47-4P 53719-48-5P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except  
 adverse); BSU (Biological study, unclassified); SPN (Synthetic  
 preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation and herbicidal activity of)  
 RN 658-43-5 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-phenyl- (CA INDEX NAME)



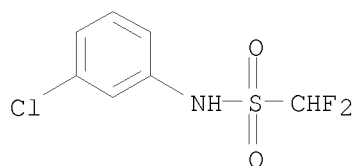
RN 1513-31-1 CAPLUS  
 CN Methanesulfonamide, N-(4-chlorophenyl)-1,1-difluoro- (CA INDEX NAME)



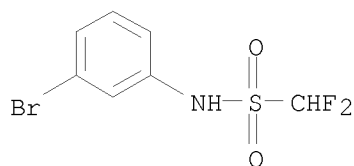
RN 50585-76-7 CAPLUS  
CN Methanesulfonamide, N-(4-chlorophenyl)-1-fluoro- (CA INDEX NAME)



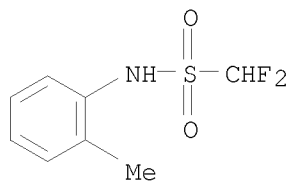
RN 53718-59-5 CAPLUS  
CN Methanesulfonamide, N-(3-chlorophenyl)-1,1-difluoro- (CA INDEX NAME)



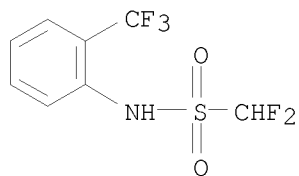
RN 53718-60-8 CAPLUS  
CN Methanesulfonamide, N-(3-bromophenyl)-1,1-difluoro- (CA INDEX NAME)



RN 53718-61-9 CAPLUS  
CN Methanesulfonamide, 1,1-difluoro-N-(2-methylphenyl)- (CA INDEX NAME)



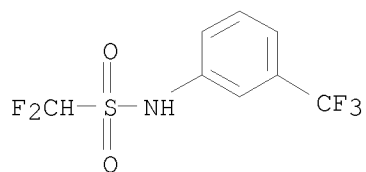
RN 53718-62-0 CAPLUS  
CN Methanesulfonamide, 1,1-difluoro-N-[2-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 53718-63-1 CAPLUS

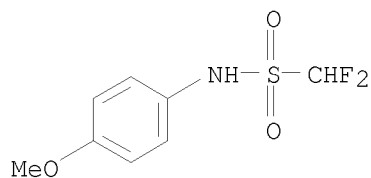


CN Methanesulfonamide, 1,1-difluoro-N-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



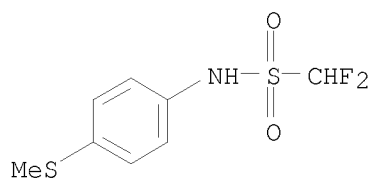
RN 53718-64-2 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-(4-methoxyphenyl)- (CA INDEX NAME)



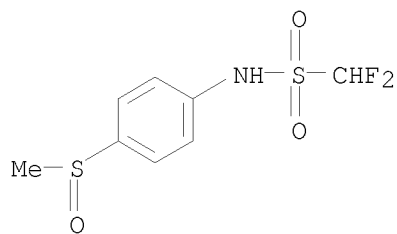
RN 53718-65-3 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-[4-(methylthio)phenyl]- (CA INDEX NAME)



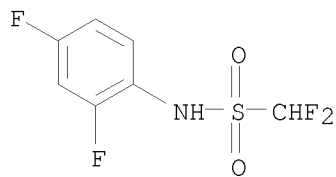
RN 53718-66-4 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-[4-(methylsulfinyl)phenyl]- (CA INDEX NAME)

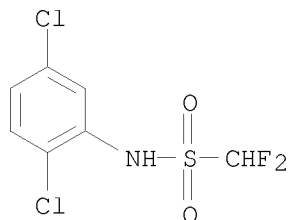


RN 53719-36-1 CAPLUS

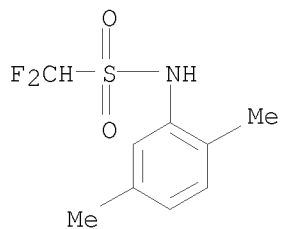
CN Methanesulfonamide, N-(2,4-difluorophenyl)-1,1-difluoro- (CA INDEX NAME)



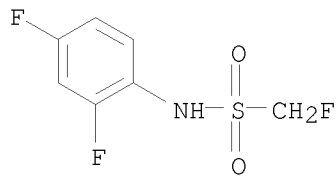
RN 53719-37-2 CAPLUS  
 CN Methanesulfonamide, N-(2,5-dichlorophenyl)-1,1-difluoro- (CA INDEX NAME)



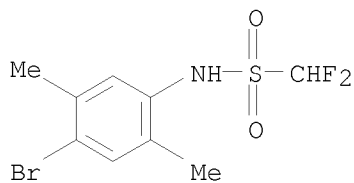
RN 53719-38-3 CAPLUS  
 CN Methanesulfonamide, N-(2,5-dimethylphenyl)-1,1-difluoro- (CA INDEX NAME)



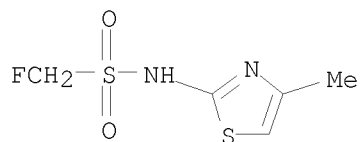
RN 53719-39-4 CAPLUS  
 CN Methanesulfonamide, N-(2,4-difluorophenyl)-1-fluoro- (CA INDEX NAME)



RN 53719-47-4 CAPLUS  
 CN Methanesulfonamide, N-(4-bromo-2,5-dimethylphenyl)-1,1-difluoro- (CA INDEX NAME)

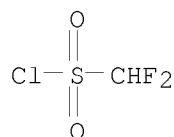


RN 53719-48-5 CAPLUS  
CN Methanesulfonamide, 1-fluoro-N-(4-methyl-2-thiazolyl)- (CA INDEX NAME)



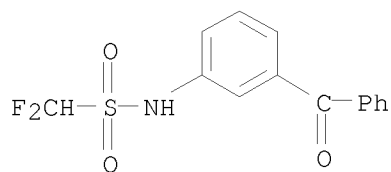
L17 ANSWER 243 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1975:16579 CAPLUS  
DOCUMENT NUMBER: 82:16579  
ORIGINAL REFERENCE NO.: 82:2645a,2648a  
TITLE: Haloalkylsulfonamido-substituted tolan and stilbene compounds  
INVENTOR(S): Moore, George G. I.; Trancik, Ronald J.  
PATENT ASSIGNEE(S): Riker Laboratories, Inc.  
SOURCE: U.S., 5 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
US 3840527	A	19741008	US 1971-172261	19710816
PRIORITY APPLN. INFO.: IT 1512-30-7			US 1971-172261	19710816
RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, with [(trifluoromethyl)sulfonyl]amino]stilbene)				
RN 1512-30-7 CAPLUS				
CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)				

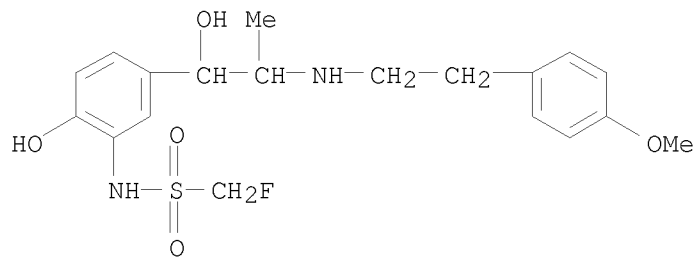


L17 ANSWER 244 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1974:499300 CAPLUS  
DOCUMENT NUMBER: 81:99300  
ORIGINAL REFERENCE NO.: 81:15677a,15680a  
TITLE: Displacement by uricosuric agents of sodium urate bound to human serum albumin  
AUTHOR(S): Campion, David S.; Bluestone, Rodney; Klinenberg, James R.  
CORPORATE SOURCE: Dep. Med., UCLA Sch. Med., Los Angeles, CA, USA  
SOURCE: Biochemical Pharmacology (1974), 23(11), 1653-7  
CODEN: BCPCA6; ISSN: 0006-2952  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 22736-85-2  
RL: BIOL (Biological study)  
(urate binding by albumins of blood serum inhibition by)

RN 22736-85-2 CAPLUS  
CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)

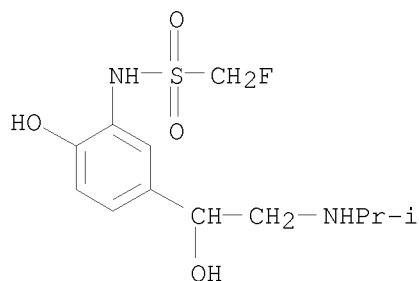


L17 ANSWER 245 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1974:458138 CAPLUS  
DOCUMENT NUMBER: 81:58138  
ORIGINAL REFERENCE NO.: 81:9211a,9214a  
TITLE: Monofluoromethanesulfonanilides. New series of  
bronchodilators  
AUTHOR(S): Banitt, E. H.; Coyne, W. E.; McGurran, K. T.;  
Robertson, J. E.  
CORPORATE SOURCE: Riker Lab., 3M Co., St. Paul, MN, USA  
SOURCE: Journal of Medicinal Chemistry (1974), 17(1), 116-20  
CODEN: JMCMAR; ISSN: 0022-2623  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 42497-74-5P 51713-53-2P 51713-54-3P  
51713-55-4P 51713-56-5P 51713-57-6P  
51713-58-7P 51713-59-8P 51713-60-1P  
51713-61-2P 51713-62-3P 51713-63-4P  
51713-64-5P 51713-65-6P 51713-66-7P  
51713-67-8P 51713-68-9P 52028-09-8P  
52028-10-1P 52028-11-2P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and spasmolytic activity of)  
RN 42497-74-5 CAPLUS  
CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)ethyl]amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



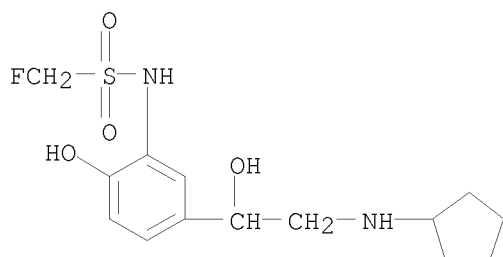
● HCl

RN 51713-53-2 CAPLUS  
CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[(1-methylethyl)amino]ethyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



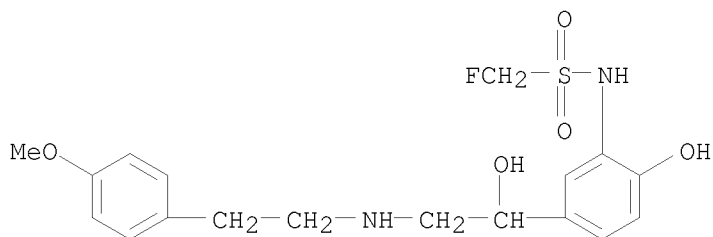
● HCl

RN 51713-54-3 CAPLUS  
 CN Methanesulfonamide, N-[5-[2-(cyclopentylamino)-1-hydroxyethyl]-2-hydroxyphenyl]-1-fluoro-, hydrochloride (1:1) (CA INDEX NAME)



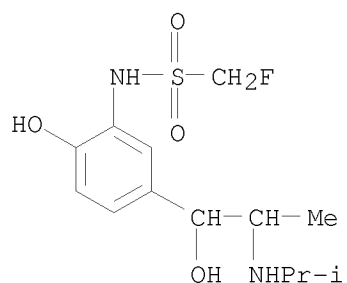
● HCl

RN 51713-55-4 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)ethyl]amino]ethyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

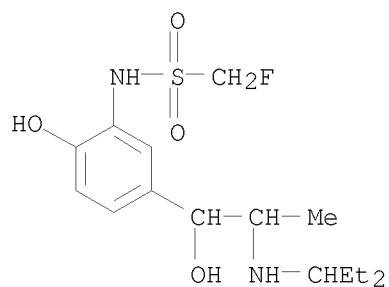
RN 51713-56-5 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[(1-methylethyl)amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 51713-57-6 CAPLUS

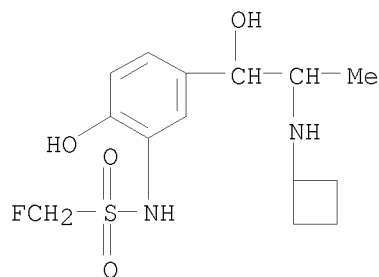
CN Methanesulfonamide, N-[5-[2-[(1-ethylpropyl)amino]-1-hydroxypropyl]-2-hydroxyphenyl]-1-fluoro-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 51713-58-7 CAPLUS

CN Methanesulfonamide, N-[5-[2-(cyclobutylamino)-1-hydroxypropyl]-2-hydroxyphenyl]-1-fluoro-, hydrochloride (1:1) (CA INDEX NAME)

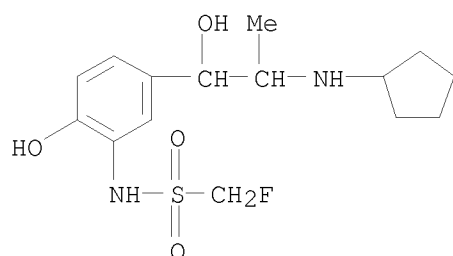


● HCl

RN 51713-59-8 CAPLUS

CN Methanesulfonamide, N-[5-[2-(cyclopentylamino)-1-hydroxypropyl]-2-

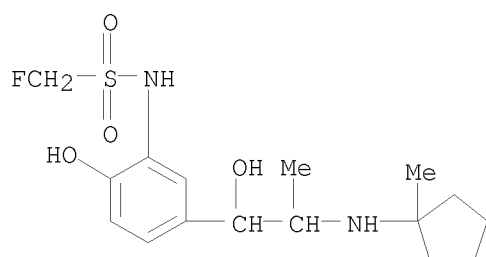
hydroxyphenyl]-1-fluoro-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 51713-60-1 CAPLUS

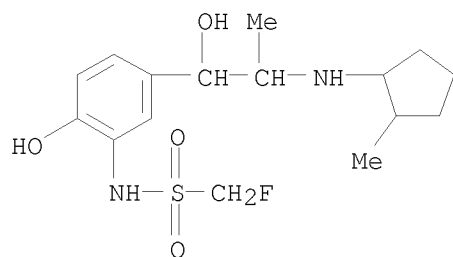
CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[(1-methylcyclopentyl)amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 51713-61-2 CAPLUS

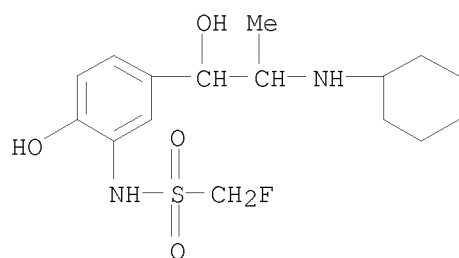
CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[(2-methylcyclopentyl)amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 51713-62-3 CAPLUS

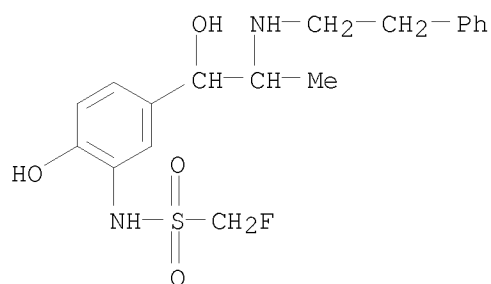
CN Methanesulfonamide, N-[5-[2-(cyclohexylamino)-1-hydroxypropyl]-2-hydroxyphenyl]-1-fluoro-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 51713-63-4 CAPLUS

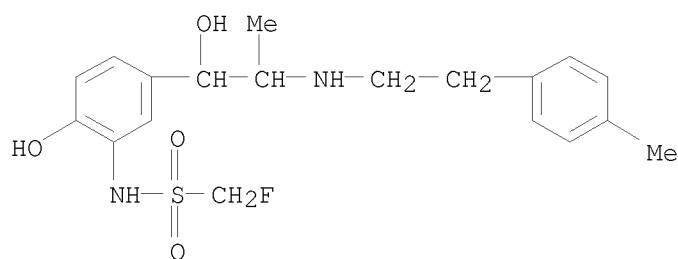
CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[(2-phenylethyl)amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 51713-64-5 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methylphenyl)ethyl]amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

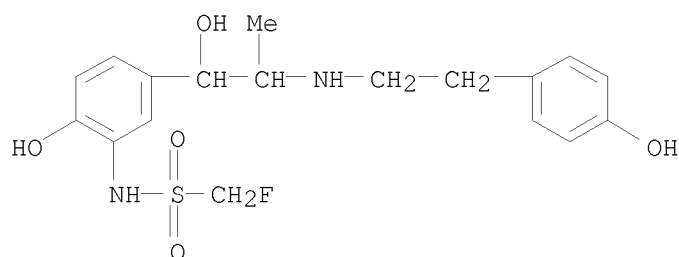


● HCl

RN 51713-65-6 CAPLUS

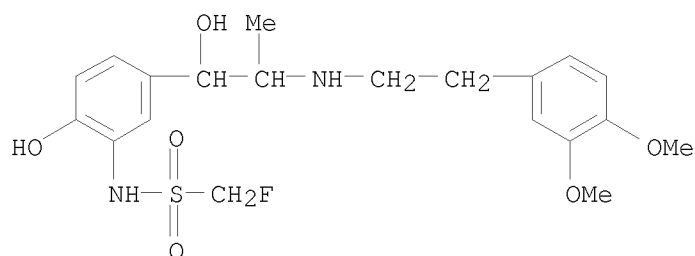


CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-hydroxyphenyl)ethyl]amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



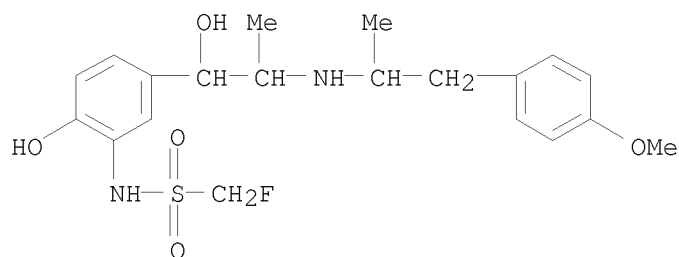
RN 51713-66-7 CAPLUS

CN Methanesulfonamide, N-[5-[2-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-1-hydroxypropyl]-2-hydroxyphenyl]-1-fluoro-, hydrochloride (1:1) (CA INDEX NAME)

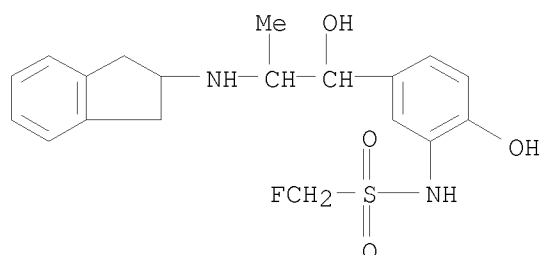


RN 51713-67-8 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

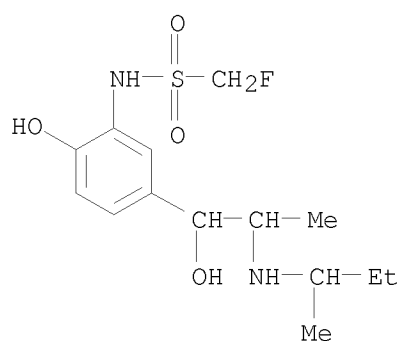


RN 51713-68-9 CAPLUS  
 CN Methanesulfonamide, N-[5-[2-[(2,3-dihydro-1H-inden-2-yl)amino]-1-hydroxypropyl]-2-hydroxyphenyl]-1-fluoro-, hydrochloride (1:1) (CA INDEX NAME)



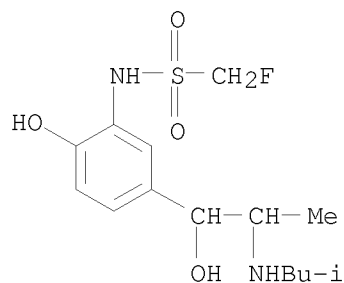
● HCl

RN 52028-09-8 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[(1-methylpropyl)amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



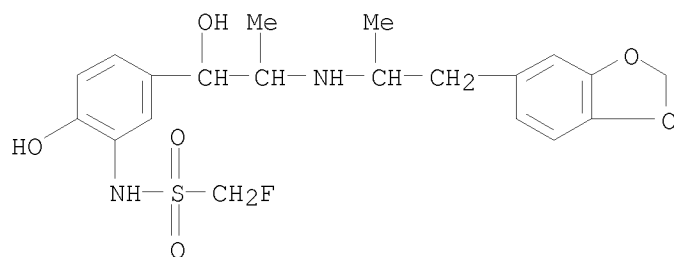
● HCl

RN 52028-10-1 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[(2-methylpropyl)amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



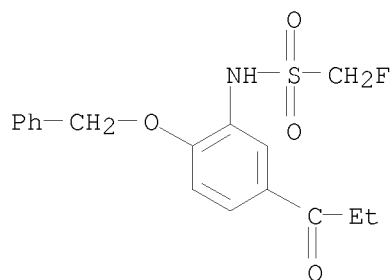
● HCl

RN 52028-11-2 CAPLUS  
 CN Methanesulfonamide, N-[5-[2-[[2-(1,3-benzodioxol-5-yl)-1-methylethyl]amino]-1-hydroxypropyl]-2-hydroxyphenyl]-1-fluoro-, hydrochloride (1:1) (CA INDEX NAME)

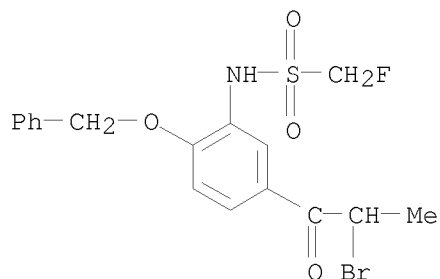


● HCl

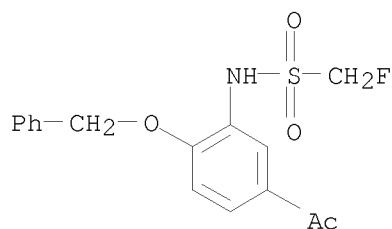
IT 42497-70-1P 49595-07-5P 51713-69-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 42497-70-1 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[5-(1-oxopropyl)-2-(phenylmethoxy)phenyl]- (CA INDEX NAME)



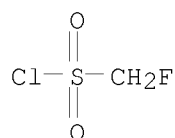
RN 49595-07-5 CAPLUS  
 CN Methanesulfonamide, N-[5-(2-bromo-1-oxopropyl)-2-(phenylmethoxy)phenyl]-1-fluoro- (CA INDEX NAME)



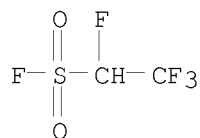
RN 51713-69-0 CAPLUS  
 CN Methanesulfonamide, N-[5-acetyl-2-(phenylmethoxy)phenyl]-1-fluoro- (CA INDEX NAME)



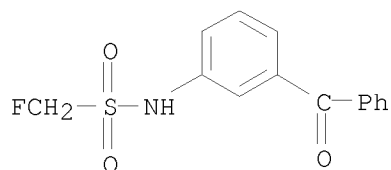
IT 42497-69-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with aminopropiophenones)  
 RN 42497-69-8 CAPLUS  
 CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



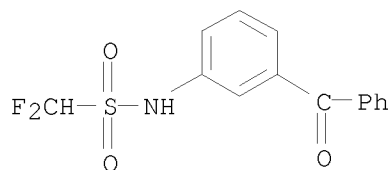
L17 ANSWER 246 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1974:424973 CAPLUS  
 DOCUMENT NUMBER: 81:24973  
 ORIGINAL REFERENCE NO.: 81:4037a, 4040a  
 TITLE: Fluorine-containing  $\beta$ -sultones. 43.  
 Sulfotrioxidation of  
 1,1-bis( $\beta$ -chloroethoxy)hexafluoroisobutylene  
 AUTHOR(S): Eleev, A. F.; Sokol'skii, G. A.; Knunyants, I. L.  
 CORPORATE SOURCE: Inst. Elementoorg. Soedin., Moscow, USSR  
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya  
 (1974), (2), 397-400  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 IT 2127-74-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



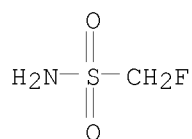
L17 ANSWER 247 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1974:145182 CAPLUS  
 DOCUMENT NUMBER: 80:145182  
 ORIGINAL REFERENCE NO.: 80:23437a,23440a  
 TITLE: Acidites and partition coefficients of  
 fluoromethanesulfonamides  
 AUTHOR(S): Trepka, R. D.; Belisle, J. W.; Harrington, J. K.  
 CORPORATE SOURCE: Cent. Res. Lab., 3M Co., St. Paul, MN, USA  
 SOURCE: Journal of Organic Chemistry (1974), 39(8), 1094-8  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 22736-84-1 22736-85-2 50585-72-3  
 50585-74-5  
 RL: PRP (Properties)  
 (acidity and half-neutralization potential of)  
 RN 22736-84-1 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1-fluoro- (CA INDEX NAME)



RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)

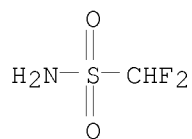


RN 50585-72-3 CAPLUS  
 CN Methanesulfonamide, 1-fluoro- (CA INDEX NAME)



RN 50585-74-5 CAPLUS

CN Methanesulfonamide, 1,1-difluoro- (CA INDEX NAME)

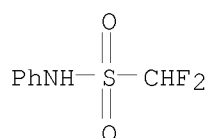


IT 658-43-5 1513-31-1 2070-61-3  
50585-76-7

RL: PRP (Properties)  
(acidity and partition coefficient of)

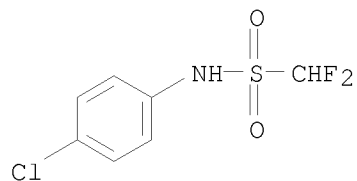
RN 658-43-5 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-phenyl- (CA INDEX NAME)



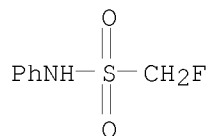
RN 1513-31-1 CAPLUS

CN Methanesulfonamide, N-(4-chlorophenyl)-1,1-difluoro- (CA INDEX NAME)



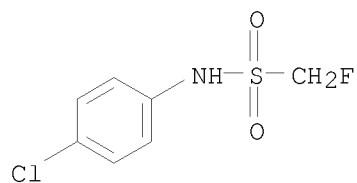
RN 2070-61-3 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-phenyl- (CA INDEX NAME)



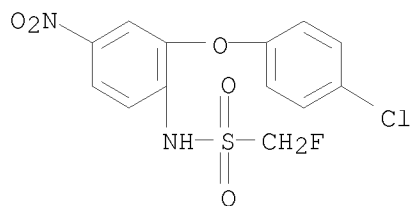
RN 50585-76-7 CAPLUS

CN Methanesulfonamide, N-(4-chlorophenyl)-1-fluoro- (CA INDEX NAME)

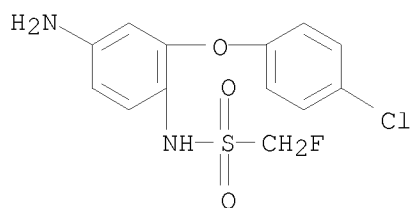


ACCESSION NUMBER: 1974:108186 CAPLUS  
 DOCUMENT NUMBER: 80:108186  
 ORIGINAL REFERENCE NO.: 80:17391a,17394a  
 TITLE: (Sulfonamido)diphenyl ethers  
 PATENT ASSIGNEE(S): Riker Laboratories Inc.  
 SOURCE: Ger. Offen., 37 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

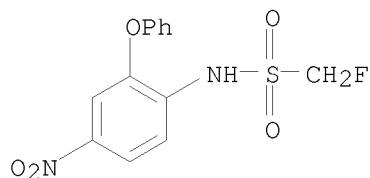
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2333643	A1	19740124	DE 1973-2333643	19730702
US 3840597	A	19741008	US 1972-268606	19720703
ZA 7303807	A	19740424	ZA 1973-3807	19730605
NL 7308661	A	19740107	NL 1973-8661	19730621
SE 417089	B	19810223	SE 1973-8862	19730625
SE 417089	C	19810611		
FI 61877	B	19820630	FI 1973-2024	19730625
FI 61877	C	19821011		
CA 1009663	A1	19770503	CA 1973-175343	19730629
BE 801812	A1	19740102	BE 1973-133036	19730702
FR 2190460	A1	19740201	FR 1973-24207	19730702
JP 49042640	A	19740422	JP 1973-74666	19730702
JP 58050984	B	19831114		
DD 110262	A5	19741212	DD 1973-172003	19730702
AU 7357586	A	19750109	AU 1973-57586	19730702
AT 7305834	A	19751015	AT 1973-5834	19730702
AT 330740	B	19760712		
GB 1435755	A	19760512	GB 1973-31454	19730702
CH 585705	A5	19770315	CH 1973-9611	19730702
CH 586667	A5	19770415	CH 1976-10327	19730702
HU 168676	B	19760628	HU 1973-RI512	19730703
PL 90016	B1	19761231	PL 1973-163799	19730703
AT 7500791	A	19760215	AT 1975-791	19750203
AT 332862	B	19761025		
JP 57136560	A	19820823	JP 1982-831	19820106
JP 58035989	B	19830805		
JP 57140712	A	19820831	JP 1982-830	19820106
JP 59031755	A	19840220	JP 1982-153797	19820903
JP 59044311	B	19841029		
PRIORITY APPLN. INFO.:			US 1972-268606	A 19720703
			US 1970-28148	A2 19700413
			US 1971-118476	A2 19710224
			AT 1973-5834	A 19730702
IT	51765-52-7P 51765-62-9P 52044-98-1P			
	RL: SPN (Synthetic preparation); PREP (Preparation)			
	(preparation of)			
RN	51765-52-7 CAPLUS			
CN	Methanesulfonamide, N-[2-(4-chlorophenoxy)-4-nitrophenyl]-1-fluoro- (CA INDEX NAME)			



RN 51765-62-9 CAPLUS  
 CN Methanesulfonamide, N-[4-amino-2-(4-chlorophenoxy)phenyl]-1-fluoro- (CA INDEX NAME)

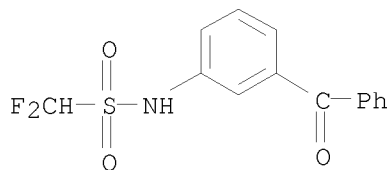


RN 52044-98-1 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-(4-nitro-2-phenoxyphenyl)- (CA INDEX NAME)



L17 ANSWER 249 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1974:104146 CAPLUS  
 DOCUMENT NUMBER: 80:104146  
 ORIGINAL REFERENCE NO.: 80:16715a,16718a  
 TITLE: Increasing excretion of urate with displacing agents in man  
 AUTHOR(S): Whitehouse, M. W.; Kippen, I.; Klinenberg, J. R.; Schlosstein, L.; Campion, D. S.; Bluestone, R.  
 CORPORATE SOURCE: Sch. Med., Univ. California, Los Angeles, CA, USA  
 SOURCE: Annals of the New York Academy of Sciences (1973), 226, 309-18  
 CODEN: ANYAA9; ISSN: 0077-8923  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 22736-85-2  
 RL: BIOL (Biological study)  
 (urate release from albumin by)  
 RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)

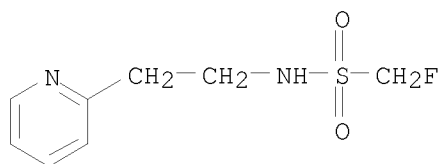




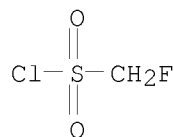
L17 ANSWER 250 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1974:37012 CAPLUS  
 DOCUMENT NUMBER: 80:37012  
 ORIGINAL REFERENCE NO.: 80:6075a,6078a  
 TITLE: N-(Heterocyclicalkyl)fluoroalkane-sulfonamides  
 INVENTOR(S): Harrington, Joseph K.; Trepka, Robert D.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: U.S., 3 pp. Continuation-in-part of U.S. 3,629,332 (CA 76;72254c).  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3766193	A	19731016	US 1971-150789	19710607
US 3629332	A	19711221	US 1969-795050	19690129
US 378621	I5	19750128	US 1973-378621	19730712
US 3923840	A	19751202		
US 3865844	A	19750211	US 1973-378622	19730712
US 3897449	A	19750729	US 1973-378620	19730712
PRIORITY APPLN. INFO.:			US 1969-795050	A2 19690129
			US 1971-150789	A3 19710607

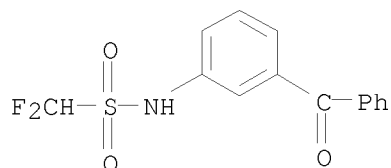
IT 36458-14-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 36458-14-7 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[2-(2-pyridinyl)ethyl]- (CA INDEX NAME)



IT 42497-69-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with pyridylethylamine)  
 RN 42497-69-8 CAPLUS  
 CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



L17 ANSWER 251 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1974:289 CAPLUS  
 DOCUMENT NUMBER: 80:289  
 ORIGINAL REFERENCE NO.: 80:63a,66a  
 TITLE: Novel uricosuric agents and their metabolites.  
 Correlation between clinical activity and drug-induced  
 displacement of urate from its albumin-binding sites  
 AUTHOR(S): Schlosstein, Lee H.; Kippen, Ian; Whitehouse, Michael  
 W.; Bluestone, Rodney; Paulus, Harold E.; Klinenberg,  
 James R.  
 CORPORATE SOURCE: Dep. Med., Veterans Adm. Wadsworth Hosp. Cent., Los  
 Angeles, CA, USA  
 SOURCE: Journal of Laboratory and Clinical Medicine (1973),  
 82(3), 412-18  
 CODEN: JLCMAK; ISSN: 0022-2143  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 22737-01-5  
 RL: BIOL (Biological study)  
 (uricosuria from)  
 RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
 (CA INDEX NAME)

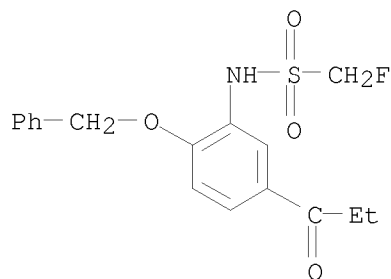


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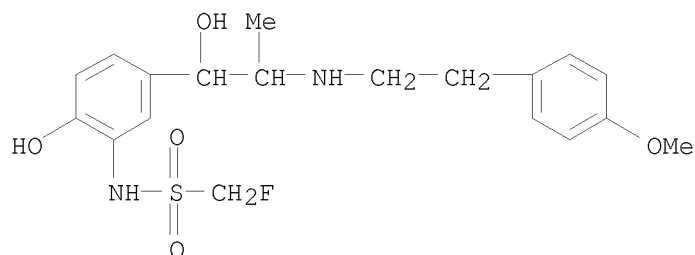
L17 ANSWER 252 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1973:526108 CAPLUS  
 DOCUMENT NUMBER: 79:126108  
 ORIGINAL REFERENCE NO.: 79:20467a,20470a  
 TITLE: Fluoromethanesulfonic acid derivatives  
 INVENTOR(S): Robertson, Jerry E.  
 PATENT ASSIGNEE(S): Riker Laboratories, Inc.  
 SOURCE: U.S., 4 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 3759993	A	19730918	US 1971-184229	19710927
PRIORITY APPLN. INFO.:			US 1971-184229	A 19710927
IT 42497-70-1P	42497-74-5P	49594-74-3P		
49595-07-5P	49595-08-6P			
RL: SPN (Synthetic preparation); PREP (Preparation)				
(preparation of)				
RN 42497-70-1	CAPLUS			
CN Methanesulfonamide, 1-fluoro-N-[5-(1-oxopropyl)-2-(phenylmethoxy)phenyl]-				
(CA INDEX NAME)				

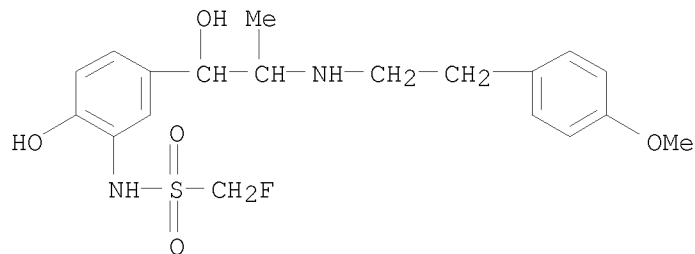


RN 42497-74-5	CAPLUS
CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)ethyl]amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)	



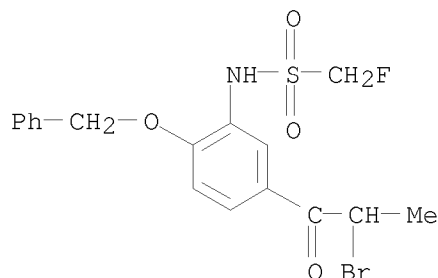
● HCl

RN 49594-74-3	CAPLUS
CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)ethyl]amino]propyl]phenyl]- (CA INDEX NAME)	



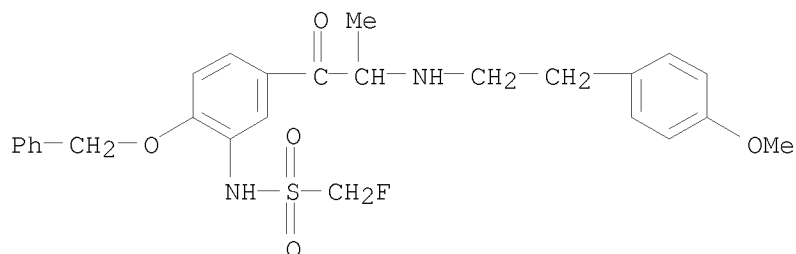
RN 49595-07-5	CAPLUS
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CN Methanesulfonamide, N-[5-(2-bromo-1-oxopropyl)-2-(phenylmethoxy)phenyl]-1-fluoro- (CA INDEX NAME)



RN 49595-08-6 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[5-[2-[[2-(4-methoxyphenyl)ethyl]amino]-1-oxopropyl]-2-(phenylmethoxy)phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



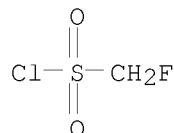
● HCl

IT 42497-69-8

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with amino(benzyloxy)propiophenone)

RN 42497-69-8 CAPLUS

CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)



L17 ANSWER 253 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1973:515308 CAPLUS

DOCUMENT NUMBER: 79:115308

ORIGINAL REFERENCE NO.: 79:18723a,18726a

TITLE: Antiinflammatory diphenylamine derivatives

INVENTOR(S): Moore, George G. I.; Harrington, Joseph K.

PATENT ASSIGNEE(S): Riker Laboratories, Inc.

SOURCE: U.S., 6 pp.

CODEN: USXXAM

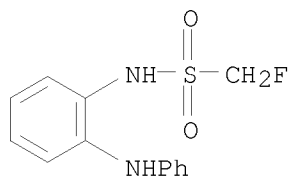
DOCUMENT TYPE: Patent

LANGUAGE: English

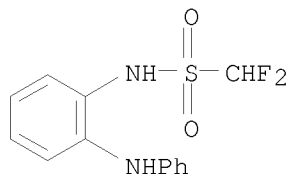
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

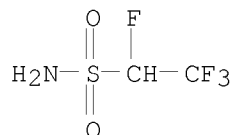
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	US 3755605	A	19730828	US 1972-262302	19720613
PRIORITY APPLN. INFO.:				US 1970-28082	A2 19700413
IT	43035-01-4P 43035-02-5P				
	RL: SPN (Synthetic preparation); PREP (Preparation)				
	(preparation of)				
RN	43035-01-4	CAPLUS			
CN	Methanesulfonamide, 1-fluoro-N-[2-(phenylamino)phenyl]- (CA INDEX NAME)				



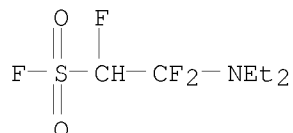
RN 43035-02-5 CAPLUS  
CN Methanesulfonamide, 1,1-difluoro-N-[2-(phenylamino)phenyl]- (CA INDEX NAME)



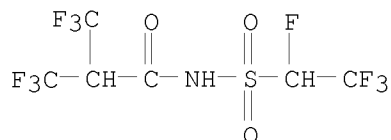
L17 ANSWER 254 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1973:504719 CAPLUS  
DOCUMENT NUMBER: 79:104719  
ORIGINAL REFERENCE NO.: 79:16979a,16982a  
TITLE: Fluorine-containing  $\beta$ -sultones. 41.  
 $\alpha$ -Hydrotetrafluoroethanesulfonic acid amides  
AUTHOR(S): Dibrova, A. K.; Kuznetsova, L. I.; Ragulin, L. I.;  
Sokol'skii, G. A.; Knunyants, I. L.  
CORPORATE SOURCE: USSR  
SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya  
(1973), (7), 1563-7  
CODEN: IASKA6; ISSN: 0002-3353  
DOCUMENT TYPE: Journal  
LANGUAGE: Russian  
IT 25691-15-0P 42937-18-8P 42937-20-2P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 25691-15-0 CAPLUS  
CN Ethanesulfonamide, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



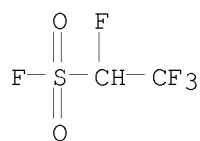
RN 42937-18-8 CAPLUS  
 CN Ethanesulfonyl fluoride, 2-(diethylamino)-1,2,2-trifluoro- (CA INDEX NAME)



RN 42937-20-2 CAPLUS  
 CN Propanamide, 3,3,3-trifluoro-N-[(1,2,2,2-tetrafluoroethyl)sulfonyl]-2-(trifluoromethyl)- (CA INDEX NAME)



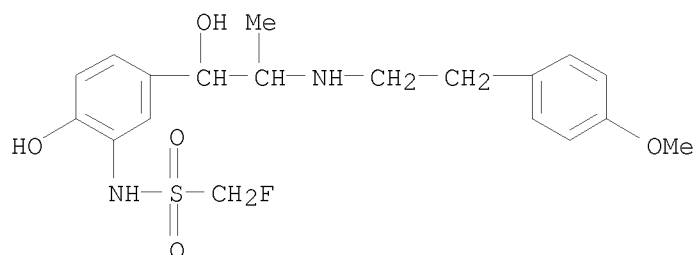
IT 2127-74-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with amines)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



L17 ANSWER 255 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1973:491804 CAPLUS  
 DOCUMENT NUMBER: 79:91804  
 ORIGINAL REFERENCE NO.: 79:14903a,14906a  
 TITLE: Substituted fluoromethanesulfonanilides  
 INVENTOR(S): McGurran, Kelly T.; Banitt, Elden H.  
 PATENT ASSIGNEE(S): Riker Laboratories, Inc.  
 SOURCE: U.S., 3 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

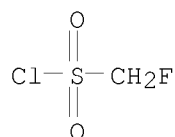
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 3751462	A	19730807	US 1971-184230	19710927
PRIORITY APPLN. INFO.:			US 1971-184230	A 19710927
IT 42497-74-5P				
RL: SPN (Synthetic preparation); PREP (Preparation)				
(preparation of)				
RN 42497-74-5 CAPLUS				
CN Methanesulfonamide, 1-fluoro-N-[2-hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)ethyl]amino]propyl]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)				

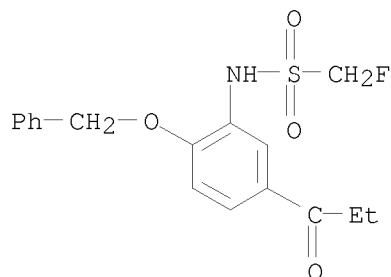


● HCl

IT 42497-69-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with (benzyloxy)propionylaniline)  
 RN 42497-69-8 CAPLUS  
 CN Methanesulfonyl chloride, 1-fluoro- (CA INDEX NAME)

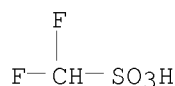


IT 42497-70-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with benzyl chloride)  
 RN 42497-70-1 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[5-(1-oxopropyl)-2-(phenylmethoxy)phenyl]- (CA INDEX NAME)

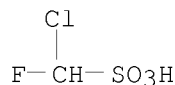


L17 ANSWER 256 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1973:147341 CAPLUS  
 DOCUMENT NUMBER: 78:147341  
 ORIGINAL REFERENCE NO.: 78:23680h,23681a  
 TITLE: Alcohols by catalytic hydration of olefins  
 INVENTOR(S): Takahashi, Toru; Ichikawa, Toshiyuki; Kanemaru, Muneaki; Ishii, Normimichi  
 PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals Co., Ltd.  
 SOURCE: Ger. Offen., 23 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2241807	A1	19730322	DE 1972-2241807	19720825
DE 2241807	C2	19820826		
JP 48032810	A	19730502	JP 1971-64745	19710826
JP 53046811	B	19781216		
PRIORITY APPLN. INFO.:			JP 1971-64745	A 19710826
IT 40856-07-3 40856-08-4				
RL: RCT (Reactant); RACT (Reactant or reagent)				
(catlyst, for hydration of olefins)				
RN 40856-07-3 CAPLUS				
CN Methanesulfonic acid, 1,1-difluoro-			(CA INDEX NAME)	



RN 40856-08-4 CAPLUS  
 CN Methanesulfonic acid, 1-chloro-1-fluoro- (CA INDEX NAME)



L17 ANSWER 257 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1973:136984 CAPLUS  
 DOCUMENT NUMBER: 78:136984  
 ORIGINAL REFERENCE NO.: 78:22015a,22018a  
 TITLE: Unsaturated  $\alpha$ -hydroperfluoroalkylsulfonyl fluorides  
 INVENTOR(S): Beckerbauer, Richard  
 PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co.  
 SOURCE: U.S., 3 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3714245	A	19730130	US 1970-75693	19700925



PRIORITY APPLN. INFO.:

US 1970-75693

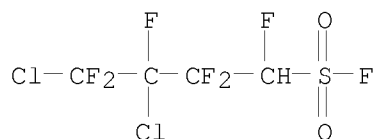
A 19700925

IT 41145-00-0P

RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and dehydrochlorination of)

RN 41145-00-0 CAPLUS

CN 1-Butanesulfonyl fluoride, 3,4-dichloro-1,2,2,3,4,4-hexafluoro- (CA INDEX NAME)

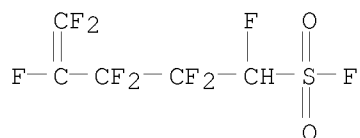


IT 39821-31-3P 39821-32-4P

RL: PREP (Preparation)  
(preparation of)

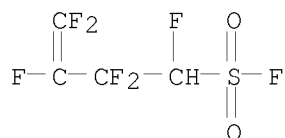
RN 39821-31-3 CAPLUS

CN 4-Pentene-1-sulfonyl fluoride, 1,2,2,3,3,4,5,5-octafluoro- (CA INDEX NAME)



RN 39821-32-4 CAPLUS

CN 3-Butene-1-sulfonyl fluoride, 1,2,2,3,4,4-hexafluoro- (CA INDEX NAME)



L17 ANSWER 258 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1973:43073 CAPLUS

DOCUMENT NUMBER: 78:43073

ORIGINAL REFERENCE NO.: 78:6803a,6806a

TITLE: Fluoroalkylsulfonamidoaryl compounds

INVENTOR(S): Moore, George Gower I.; Harrington, Joseph Kenneth

PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.

SOURCE: S. African, 555 pp.

CODEN: SFXXAB

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

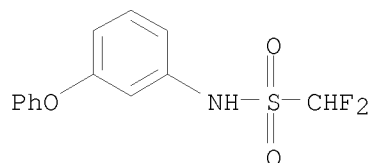
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	ZA 7105582		19720328	ZA 1971-5582	19710820
IT	37931-09-2P 37931-10-5P 37950-45-1P 37950-59-7P 37950-60-0P 37984-10-4P				

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

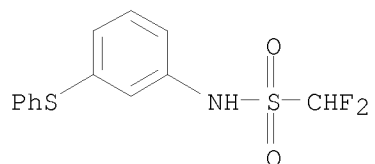
RN 37931-09-2 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-(3-phenoxyphenyl)- (CA INDEX NAME)



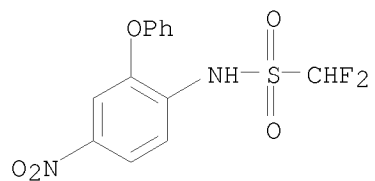
RN 37931-10-5 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-[3-(phenylthio)phenyl]- (CA INDEX NAME)



RN 37950-45-1 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-(4-nitro-2-phenoxyphenyl)- (CA INDEX NAME)



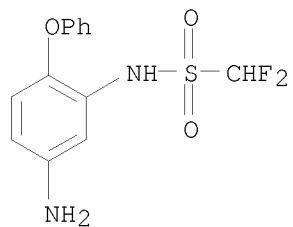
RN 37950-59-7 CAPLUS

CN Methanesulfonamide, N-(5-amino-2-phenoxyphenyl)-1,1-difluoro-, compd. with N,N-diethylethanamine (1:1) (CA INDEX NAME)

CM 1

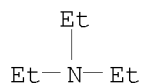
CRN 47159-72-8

CMF C13 H12 F2 N2 O3 S



CM 2

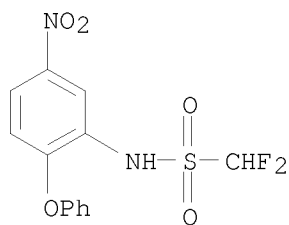
CRN 121-44-8  
CMF C6 H15 N



RN 37950-60-0 CAPLUS  
CN Methanesulfonamide, 1,1-difluoro-N-(5-nitro-2-phenoxyphenyl)-, compd. with  
N,N-diethylethanamine (1:1) (CA INDEX NAME)

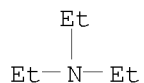
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CRN 47302-56-7  
CMF C13 H10 F2 N2 O5 S

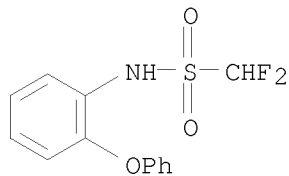


CM 2

CRN 121-44-8  
CMF C6 H15 N



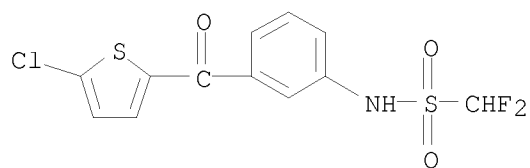
RN 37984-10-4 CAPLUS  
CN Methanesulfonamide, 1,1-difluoro-N-(2-phenoxyphenyl)- (CA INDEX NAME)



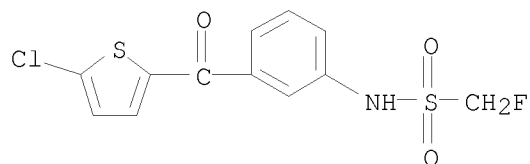
L17 ANSWER 259 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1972:564449 CAPLUS  
DOCUMENT NUMBER: 77:164449  
ORIGINAL REFERENCE NO.: 77:27003a,27006a  
TITLE: Thiophene derivatives  
INVENTOR(S): Harrington, Joseph Kenneth; Moore, George G. I.;  
Gerster, John F.

PATENT ASSIGNEE(S): Riker Laboratories, Inc.  
SOURCE: U.S., 8 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3696122	A	19721003	US 1970-28150	19700413
PRIORITY APPLN. INFO.:			US 1970-28150	A 19700413
IT 38178-65-3P 38178-71-1P				
RL: SPN (Synthetic preparation); PREP (Preparation)				
(preparation of)				
RN 38178-65-3 CAPLUS				
CN Methanesulfonamide, N-[3-[(5-chloro-2-thienyl)carbonyl]phenyl]-1,1-difluoro- (CA INDEX NAME)				



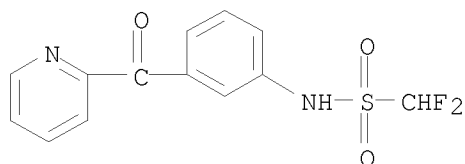
RN 38178-71-1 CAPLUS  
CN Methanesulfonamide, N-[3-[(5-chloro-2-thienyl)carbonyl]phenyl]-1-fluoro- (CA INDEX NAME)



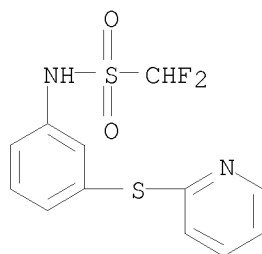
L17 ANSWER 260 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1972:551965 CAPLUS  
DOCUMENT NUMBER: 77:151965  
ORIGINAL REFERENCE NO.: 77:24983a,24986a  
TITLE: Substituted pyridine derivatives as plant growth-modifying agents  
INVENTOR(S): Moore, George G. I.; Harrington, Joseph Kenneth; Gerster, John F.  
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
SOURCE: U.S., 5 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3686192	A	19720822	US 1971-103795	19710104
PRIORITY APPLN. INFO.:			US 1971-103795	A 19710104

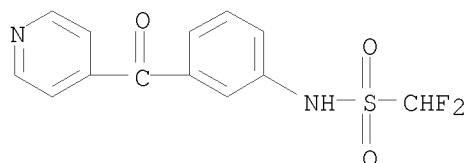
IT 37884-77-8P 37884-78-9P 37884-79-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 37884-77-8 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(2-pyridinylcarbonyl)phenyl]- (CA  
 INDEX NAME)



RN 37884-78-9 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(2-pyridinylthio)phenyl]- (CA INDEX  
 NAME)



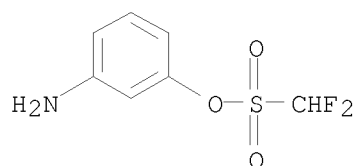
RN 37884-79-0 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-pyridinylcarbonyl)phenyl]- (CA  
 INDEX NAME)



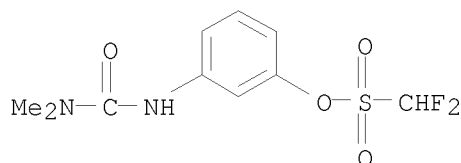
L17 ANSWER 261 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:526266 CAPLUS  
 DOCUMENT NUMBER: 77:126266  
 ORIGINAL REFERENCE NO.: 77:20793a,20796a  
 TITLE: Aliphatic [(sulfonyloxy)phenyl]ureas  
 INVENTOR(S): Trepka, Robert D.  
 SOURCE: U.S., 6 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 3687998	A	19720829	US 1968-784251	19681216

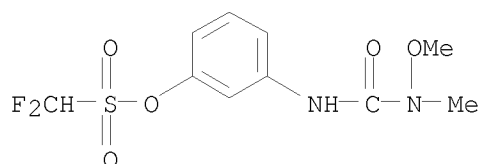
PRIORITY APPLN. INFO.: US 1968-784251 A 19681216  
 IT 38164-58-8P 38164-72-6P 38164-73-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 38164-58-8 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-, 3-aminophenyl ester (CA INDEX NAME)



RN 38164-72-6 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-,  
 3-[[[(dimethylamino)carbonyl]amino]phenyl ester (CA INDEX NAME)



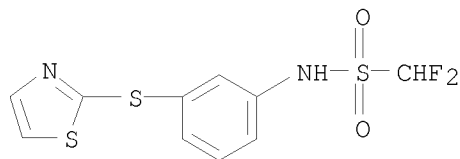
RN 38164-73-7 CAPLUS  
 CN Methanesulfonic acid, 1,1-difluoro-,  
 3-[[[(methoxymethylamino)carbonyl]amino]phenyl ester (CA INDEX NAME)



L17 ANSWER 262 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:514387 CAPLUS  
 DOCUMENT NUMBER: 77:114387  
 ORIGINAL REFERENCE NO.: 77:18849a,18852a  
 TITLE: Thiazolylhaloalkanesulfonanilides  
 INVENTOR(S): Moore, George G. I.; Gerster, John F.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: U.S., 6 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

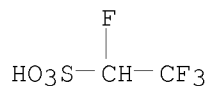
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3679695	A	19720725	US 1970-98010	19701214
PRIORITY APPLN. INFO.: IT 37587-60-3P			US 1970-98010	A 19701214

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 37587-60-3 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(2-thiazolylthio)phenyl]- (CA INDEX NAME)



L17 ANSWER 263 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:513768 CAPLUS  
 DOCUMENT NUMBER: 77:113768  
 ORIGINAL REFERENCE NO.: 77:18741a,18744a  
 TITLE: Fluoroolefins. V. Photoreaction products of sulfur dioxide and fluorinated olefins  
 AUTHOR(S): Bernardi, Gian C.; Moggi, Giovanni; Sianesi, Dario  
 CORPORATE SOURCE: Cent. Ric., Soc. Montecatini-Edison, Milan, Italy  
 SOURCE: Annali di Chimica (Rome, Italy) (1972), 62(2), 95-107  
 CODEN: ANCRAI; ISSN: 0003-4592  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Italian

IT 20705-83-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 20705-83-3 CAPLUS  
 CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



L17 ANSWER 264 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:475034 CAPLUS  
 DOCUMENT NUMBER: 77:75034  
 ORIGINAL REFERENCE NO.: 77:12395a,12398a  
 TITLE: 2,6-Dichlorobenzaldehyde  
 4-alkyl-2-sulfonylsemicarbazones  
 INVENTOR(S): Fridinger, Tomas L.; Mutsch, Edward L.; Pauly, David R.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: Ger. Offen., 18 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2157708	A	19720525	DE 1971-2157708	19711115
DE 2157708	B2	19740905		
DE 2157708	C3	19750430		

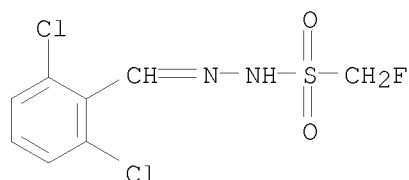
US 3709936	A	19730109	US 1970-90074	19701116
NL 7115252	A	19720518	NL 1971-15252	19711105
FR 2123260	A5	19720908	FR 1971-40823	19711115
FR 2123260	B1	19730608		
IT 944944	B	19730420	IT 1971-54102	19711115
GB 1375706	A	19741127	GB 1971-52999	19711115
GB 1375707	A	19741127	GB 1974-20626	19711115
IL 38145	A	19750313	IL 1971-38145	19711115
CA 987678	A1	19760420	CA 1971-127702	19711115
JP 55047034	B	19801127	JP 1971-91414	19711115
US 3817740	A	19740618	US 1971-199717	19711117
US 3864397	A	19750204	US 1972-297970	19721016
JP 50069042	A	19750609	JP 1974-70072	19740619
PRIORITY APPLN. INFO.:			US 1970-90074	A 19701116

IT 37532-18-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 37532-18-6 CAPLUS

CN Methanesulfonic acid, 1-fluoro-, 2-[(2,6-dichlorophenyl)methylene]hydrazide (CA INDEX NAME)



L17 ANSWER 265 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1972:447864 CAPLUS

DOCUMENT NUMBER: 77:47864

ORIGINAL REFERENCE NO.: 77:7927a, 7930a

TITLE: Fluoro-containing  $\beta$ -sultones. 39. Acylation of  $\alpha$ -hydrotetrafluoroethanesulfonyl fluoride

AUTHOR(S): Aktaev, N. P.; Ragulin, L. I.; Sokol'skii, G. A.; Knunyants, I. L.

CORPORATE SOURCE: USSR

SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1972), (2), 366-71

CODEN: IASKA6; ISSN: 0002-3353

DOCUMENT TYPE: Journal

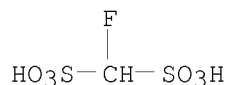
LANGUAGE: Russian

IT 38346-19-9P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 38346-19-9 CAPLUS

CN Methanedisulfonic acid, 1-fluoro-, potassium salt (1:2) (CA INDEX NAME)

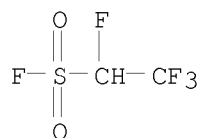


● 2 K

IT 2127-74-4



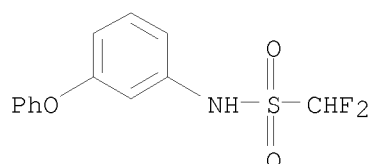
RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with cyanogen chloride)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



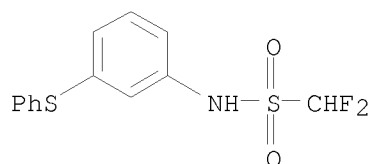
L17 ANSWER 266 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:419402 CAPLUS  
 DOCUMENT NUMBER: 77:19402  
 ORIGINAL REFERENCE NO.: 77:3245a,3248a  
 TITLE: Fluoroalkylsulfonamidoaryl compounds as plant growth regulators  
 INVENTOR(S): Moore, George G. I.; Harrington, Joseph K.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: Ger. Offen., 57 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2118190	A	19720309	DE 1971-2118190	19710408
DE 2118190	C2	19821125		
NL 7104420	A	19711015	NL 1971-4420	19710402
NL 174644	B	19840216		
NL 174644	C	19840716		
CH 557804	A	19750115	CH 1971-5144	19710408
CA 1010890	A1	19770524	CA 1971-110036	19710408
BE 765558	A1	19711011	BE 1971-102037	19710409
FR 2097745	A5	19720303	FR 1971-12702	19710409
JP 54011297	B	19790514	JP 1971-23004	19710412
GB 1306564	A	19730214	GB 1971-26681	19710419
JP 56040685	B	19810922	JP 1977-85723	19770719
JP 55015474	B	19800423	JP 1978-45455	19780419
PRIORITY APPLN. INFO.:			US 1970-28148	19700413
			US 1971-118476	19710224

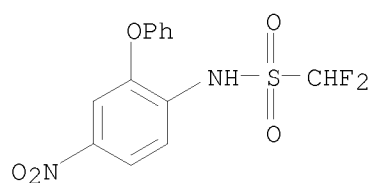
IT 37931-09-2P 37931-10-5P 37950-45-1P  
 37950-59-7P 37950-60-0P 37984-10-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 37931-09-2 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-(3-phenoxyphenyl)- (CA INDEX NAME)



RN 37931-10-5 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(phenylthio)phenyl]- (CA INDEX NAME)



RN 37950-45-1 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-(4-nitro-2-phenoxyphenyl)- (CA INDEX NAME)

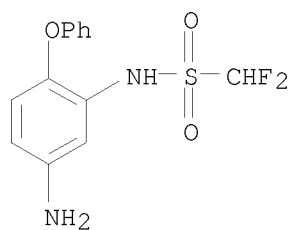


RN 37950-59-7 CAPLUS  
 CN Methanesulfonamide, N-(5-amino-2-phenoxyphenyl)-1,1-difluoro-, compd. with N,N-diethylethanamine (1:1) (CA INDEX NAME)

CM 1

CRN 47159-72-8

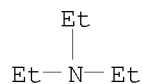
CMF C13 H12 F2 N2 O3 S



CM 2

CRN 121-44-8

CMF C6 H15 N

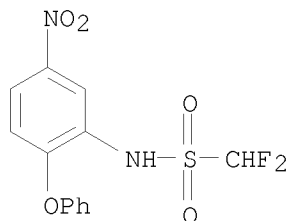


RN 37950-60-0 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-(5-nitro-2-phenoxyphenyl)-, compd. with N,N-diethylethanamine (1:1) (CA INDEX NAME)

CM 1

CRN 47302-56-7

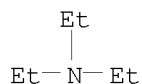
CMF C13 H10 F2 N2 O5 S



CM 2

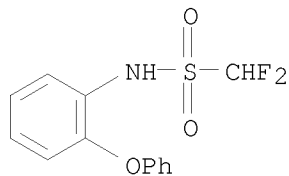
CRN 121-44-8

CMF C6 H15 N



RN 37984-10-4 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-(2-phenoxyphenyl)- (CA INDEX NAME)

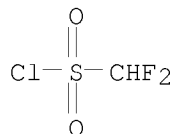


IT 1512-30-7

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with aniline derivs.)

RN 1512-30-7 CAPLUS

CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



L17 ANSWER 267 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1972:404812 CAPLUS

DOCUMENT NUMBER: 77:4812

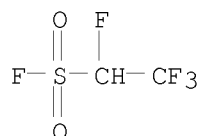
ORIGINAL REFERENCE NO.: 77:859a

TITLE: Fluoro-containing  $\beta$ -sultones. 38.

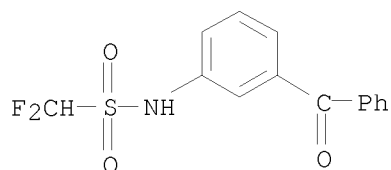
$\alpha$ -Nitrosotetrafluoroethane sulfofluoride

AUTHOR(S): Sokol'skii, G. A.; Dubov, S. S.; Medvedev, A. N.;

CORPORATE SOURCE: Ragulin, L. I.; Chelobov, F. N.; Shalaginov, Yu. M.;  
 SOURCE: Knunyants, I. L.  
 USSR  
 Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya  
 (1972), (1), 129-38  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 IT 2127-74-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with nitrosyl chloride)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



L17 ANSWER 268 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:135599 CAPLUS  
 DOCUMENT NUMBER: 76:135599  
 ORIGINAL REFERENCE NO.: 76:21931a,21934a  
 TITLE: Biochemical properties of antiinflammatory drugs.  
 XII. Inhibition of urate binding to human albumin by  
 salicylate and phenylbutazone analogs and some novel  
 antiinflammatory drugs  
 AUTHOR(S): Whitehouse, M. W.; Kippen, I.; Klinenberg, J. R.  
 CORPORATE SOURCE: Sch. Med., Univ. California, Los Angeles, CA, USA  
 SOURCE: Biochemical Pharmacology (1971), 20(12), 3309-20  
 CODEN: BCPA6; ISSN: 0006-2952  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 22736-85-2  
 RL: BIOL (Biological study)  
 (dansylamide and uric acid displacement by, from albumin complexes,  
 uricosuric activity in relation to)  
 RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)

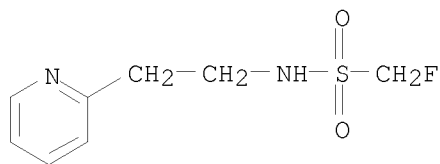


L17 ANSWER 269 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:72254 CAPLUS  
 DOCUMENT NUMBER: 76:72254  
 ORIGINAL REFERENCE NO.: 76:11628h,11629a  
 TITLE: Plant growth-regulating  
 N-(aralkyl)fluoroalkanesulfonamides  
 INVENTOR(S): Harrington, Joseph K.; Trepka, Robert D.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.

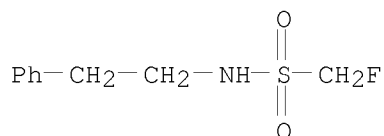
SOURCE: U.S., 5 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3629332	A	19711221	US 1969-795050	19690129
US 3766193	A	19731016	US 1971-150789	19710607
US 378621	I5	19750128	US 1973-378621	19730712
US 3923840	A	19751202		
US 3897449	A	19750729	US 1973-378620	19730712
PRIORITY APPLN. INFO.:			US 1969-795050	A2 19690129
			US 1971-150789	A3 19710607

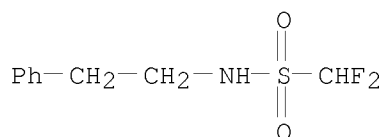
IT 36458-14-7P 36458-15-8P 36458-16-9P  
 36458-18-1P 36458-19-2P 36458-28-3P  
 36458-29-4P 36458-30-7P 36458-31-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 36458-14-7 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[2-(2-pyridinyl)ethyl]- (CA INDEX NAME)



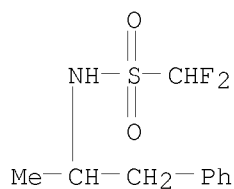
RN 36458-15-8 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-(2-phenylethyl)- (CA INDEX NAME)



RN 36458-16-9 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-(2-phenylethyl)- (CA INDEX NAME)

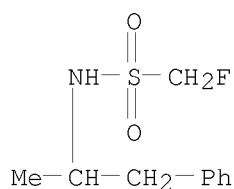


RN 36458-18-1 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-(1-methyl-2-phenylethyl)- (CA INDEX NAME)



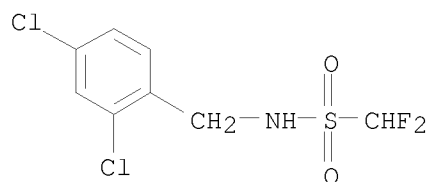
RN 36458-19-2 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-(1-methyl-2-phenylethyl)- (CA INDEX NAME)



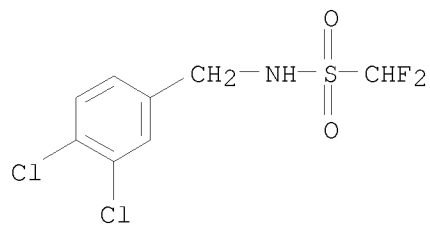
RN 36458-28-3 CAPLUS

CN Methanesulfonamide, N-[(2,4-dichlorophenyl)methyl]-1,1-difluoro- (CA INDEX NAME)



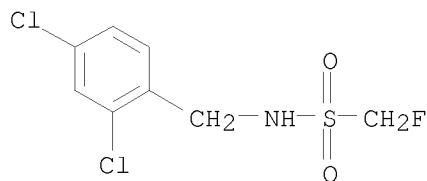
RN 36458-29-4 CAPLUS

CN Methanesulfonamide, N-[(3,4-dichlorophenyl)methyl]-1,1-difluoro- (CA INDEX NAME)

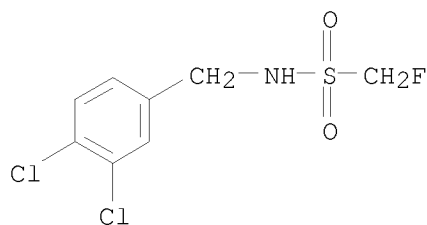


RN 36458-30-7 CAPLUS

CN Methanesulfonamide, N-[(2,4-dichlorophenyl)methyl]-1-fluoro- (CA INDEX NAME)



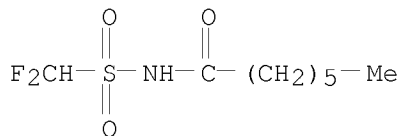
RN 36458-31-8 CAPLUS  
 CN Methanesulfonamide, N-[(3,4-dichlorophenyl)methyl]-1-fluoro- (CA INDEX NAME)



L17 ANSWER 270 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:71557 CAPLUS  
 DOCUMENT NUMBER: 76:71557  
 ORIGINAL REFERENCE NO.: 76:11521a,11524a  
 TITLE: Anticonvulsant N-acylfluoroalkanesulfonamides  
 INVENTOR(S): Moore, George G. I.; Conway, Alvin C.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: U.S., 3 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3637845	A	19720125	US 1969-816041	19690414
PRIORITY APPLN. INFO.: IT 35533-87-0P			US 1969-816041	A 19690414

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 35533-87-0 CAPLUS  
 CN Heptanamide, N-[(difluoromethyl)sulfonyl]- (CA INDEX NAME)



L17 ANSWER 271 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:59217 CAPLUS  
 DOCUMENT NUMBER: 76:59217  
 ORIGINAL REFERENCE NO.: 76:9536h,9537a

TITLE: (Hydroxyphenylalkyl)fluroalkanesulfonanilides  
 INVENTOR(S): Trancik, Ronald J.; Moore, George G. I.; Harrington, Joseph K.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: Ger. Offen., 25 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

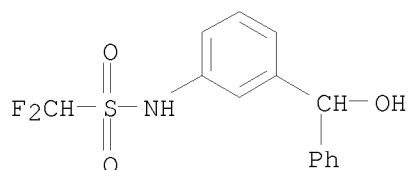
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2118193	A	19711111	DE 1971-2118193	19710408
US 3689523	A	19720905	US 1971-103802	19710104
NL 7104417	A	19711015	NL 1971-4417	19710402
CH 555814	A	19741115	CH 1971-5153	19710408
BE 765557	A1	19711011	BE 1971-102036	19710409
FR 2092035	A5	19720121	FR 1971-12699	19710409
FR 2092035	B1	19740802		
GB 1320268	A	19730613	GB 1971-26675	19710419
PRIORITY APPLN. INFO.:			US 1970-28130	A 19700413
			US 1971-103802	A 19710104

IT 35453-63-5P 35453-66-8P 35453-72-6P  
 35453-73-7P 35453-76-0P 35453-77-1P  
 35453-85-1P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

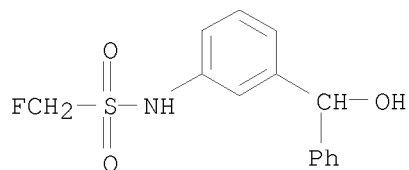
RN 35453-63-5 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-[3-(hydroxyphenylmethyl)phenyl]- (CA INDEX NAME)



RN 35453-66-8 CAPLUS

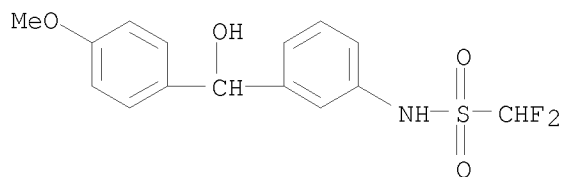
CN Methanesulfonamide, 1-fluoro-N-[3-(hydroxyphenylmethyl)phenyl]- (CA INDEX NAME)



RN 35453-72-6 CAPLUS

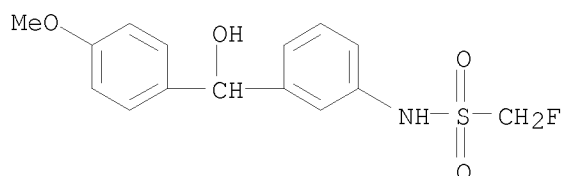
CN Methanesulfonamide, 1,1-difluoro-N-[3-[hydroxy(4-methoxyphenyl)methyl]phenyl]- (CA INDEX NAME)





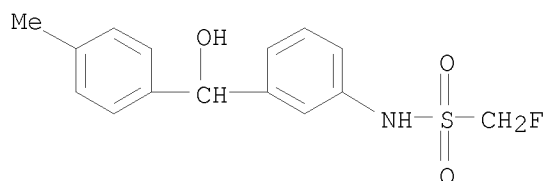
RN 35453-73-7 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[3-[hydroxy(4-methoxyphenyl)methyl]phenyl]-  
(CA INDEX NAME)



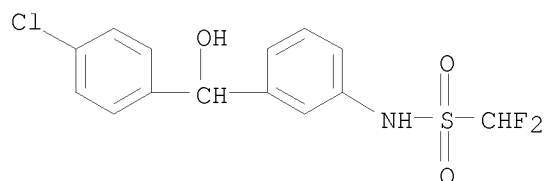
RN 35453-76-0 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[3-[hydroxy(4-methylphenyl)methyl]phenyl]-  
(CA INDEX NAME)



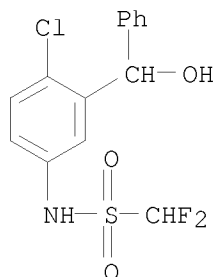
RN 35453-77-1 CAPLUS

CN Methanesulfonamide, N-[3-[(4-chlorophenyl)hydroxymethyl]phenyl]-1,1-difluoro-  
(CA INDEX NAME)

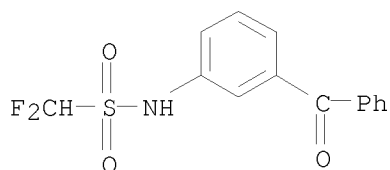


RN 35453-85-1 CAPLUS

CN Methanesulfonamide, N-[4-chloro-3-(hydroxyphenylmethyl)phenyl]-1,1-difluoro-  
(CA INDEX NAME)



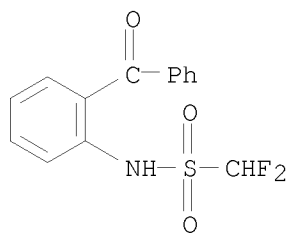
IT 22736-85-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reduction of)  
 RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



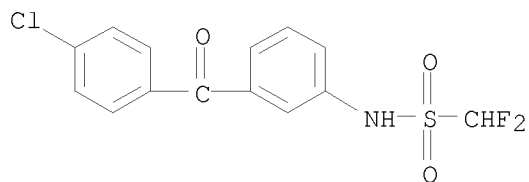
L17 ANSWER 272 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:33963 CAPLUS  
 DOCUMENT NUMBER: 76:33963  
 ORIGINAL REFERENCE NO.: 76:5499a,5502a  
 TITLE: 3-[Cyano(fluoromethylsulfonyl)amino]benzophenones  
 INVENTOR(S): Gerster, John F.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: Ger. Offen., 15 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2118192	A	19711028	DE 1971-2118192	19710408
US 3647874	A	19720307	US 1970-28021	19700413
FR 2092036	A5	19720121	FR 1971-12700	19710409
FR 2092036	B1	19741018		
GB 1305668	A	19730207	GB 1971-26674	19710419
PRIORITY APPLN. INFO.:			US 1970-28021	A 19700413

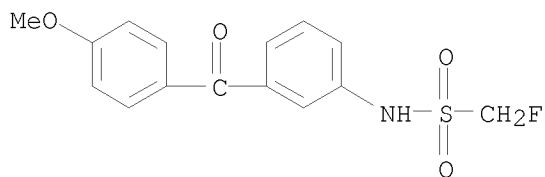
IT 22736-86-3P 22736-87-4P 22736-88-5P  
 22737-01-5P 34641-05-9P 34641-06-0P  
 34641-08-2P 34641-10-6P 34793-49-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 22736-86-3 CAPLUS  
 CN Methanesulfonamide, N-(2-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



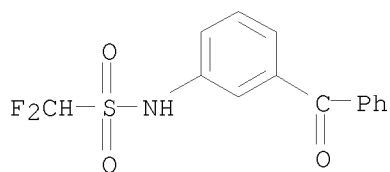
RN 22736-87-4 CAPLUS  
 CN Methanesulfonamide, N-[3-(4-chlorobenzoyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 22736-88-5 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[3-(4-methoxybenzoyl)phenyl]- (CA INDEX NAME)

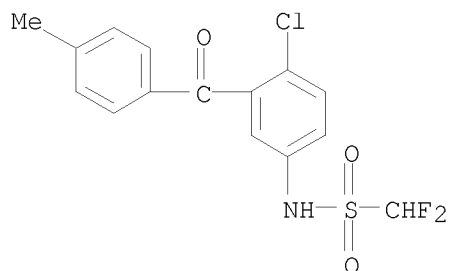


RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)

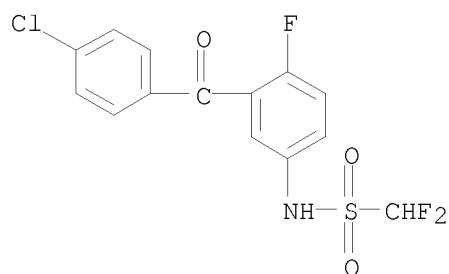


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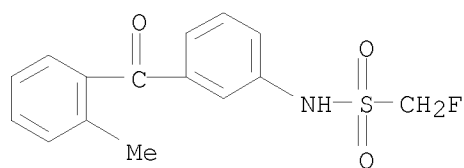
RN 34641-05-9 CAPLUS  
 CN Methanesulfonamide, N-[4-chloro-3-(4-methylbenzoyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



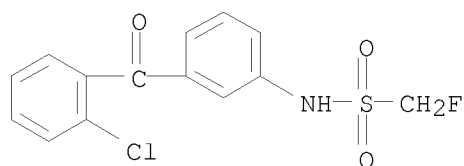
RN 34641-06-0 CAPLUS  
 CN Methanesulfonamide, N-[3-(4-chlorobenzoyl)-4-fluorophenyl]-1,1-difluoro-  
 (CA INDEX NAME)



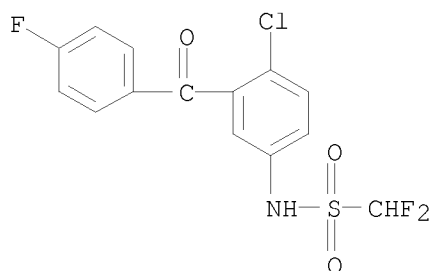
RN 34641-08-2 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[3-(2-methylbenzoyl)phenyl]- (CA INDEX  
 NAME)



RN 34641-10-6 CAPLUS  
 CN Methanesulfonamide, N-[3-(2-chlorobenzoyl)phenyl]-1-fluoro- (CA INDEX  
 NAME)



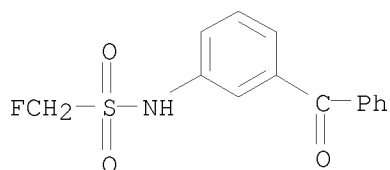
RN 34793-49-2 CAPLUS  
 CN Methanesulfonamide, N-[4-chloro-3-(4-fluorobenzoyl)phenyl]-1,1-difluoro-  
 (CA INDEX NAME)



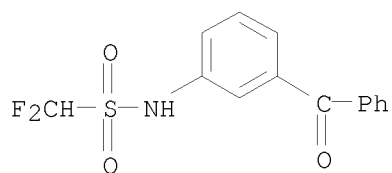
L17 ANSWER 273 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1972:24914 CAPLUS  
 DOCUMENT NUMBER: 76:24914  
 ORIGINAL REFERENCE NO.: 76:4047a, 4050a  
 TITLE: N-(Alkylsulfonyl)-3'-  
 benzoyltrifluoromethanesulfonanilides  
 INVENTOR(S): Harrington, Joseph K.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: Ger. Offen., 18 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2118191	A	19711028	DE 1971-2118191	19710408
US 3661990	A	19720509	US 1970-28123	19700413
FR 2092037	A5	19720121	FR 1971-12701	19710409
FR 2092037	B1	19741115		
GB 1305680	A	19730207	GB 1971-26673	19710419
			US 1970-28123	A 19700413

PRIORITY APPLN. INFO.:  
 IT 22736-84-1P 22736-85-2P 22736-87-4P  
 22736-88-5P 22736-89-6P 22736-91-0P  
 22736-96-5P 22737-01-5P 22737-02-6P  
 34793-49-2P 34793-50-5P 34794-18-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 22736-84-1 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1-fluoro- (CA INDEX NAME)

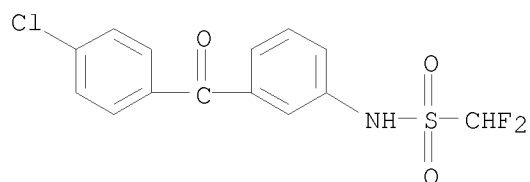


RN 22736-85-2 CAPLUS  
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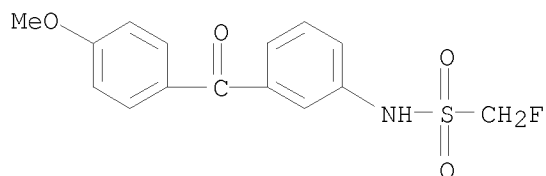
RN 22736-87-4 CAPLUS

CN Methanesulfonamide, N-[3-(4-chlorobenzoyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



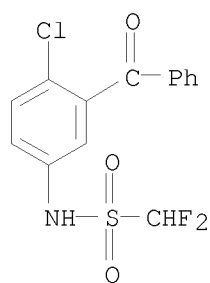
RN 22736-88-5 CAPLUS

CN Methanesulfonamide, 1-fluoro-N-[3-(4-methoxybenzoyl)phenyl]- (CA INDEX NAME)



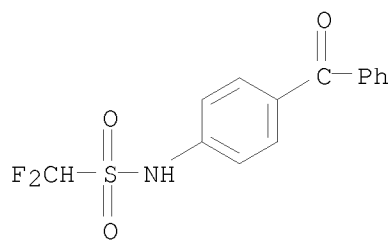
RN 22736-89-6 CAPLUS

CN Methanesulfonamide, N-(3-benzoyl-4-chlorophenyl)-1,1-difluoro- (CA INDEX NAME)

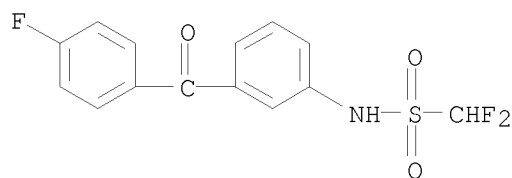


RN 22736-91-0 CAPLUS

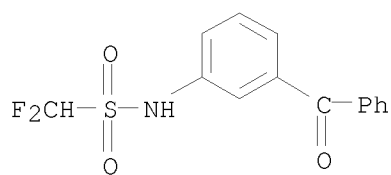
CN Methanesulfonamide, N-(4-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



RN 22736-96-5 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-fluorobenzoyl)phenyl]- (CA INDEX NAME)

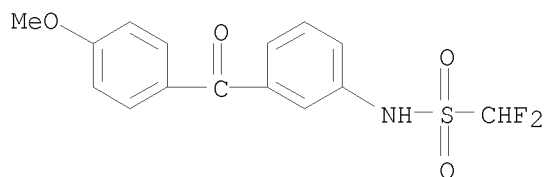


RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)

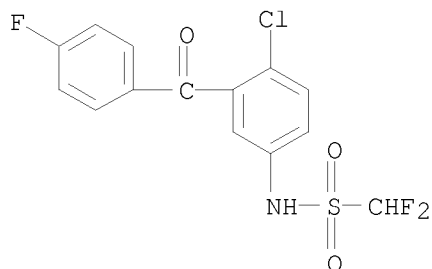


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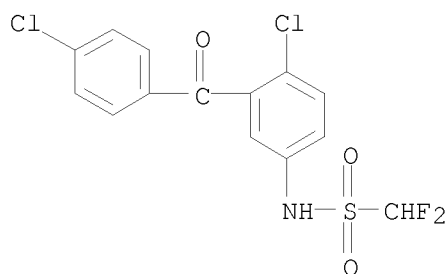
RN 22737-02-6 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-methoxybenzoyl)phenyl]- (CA INDEX NAME)



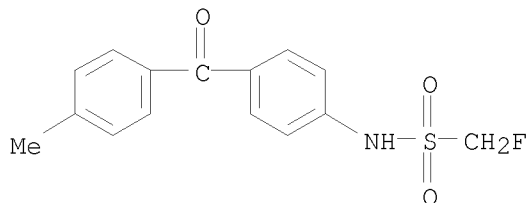
RN 34793-49-2 CAPLUS  
 CN Methanesulfonamide, N-[4-chloro-3-(4-fluorobenzoyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 34793-50-5 CAPLUS  
 CN Methanesulfonamide, N-[4-chloro-3-(4-chlorobenzoyl)phenyl]-1,1-difluoro-  
 (CA INDEX NAME)



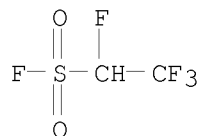
RN 34794-18-8 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[4-(4-methylbenzoyl)phenyl]- (CA INDEX  
 NAME)



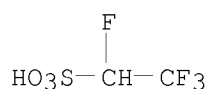
L17 ANSWER 274 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1971:487784 CAPLUS  
 DOCUMENT NUMBER: 75:87784  
 ORIGINAL REFERENCE NO.: 75:13893a,13896a  
 TITLE: Fluorine-containing  $\beta$ -sultones. 35.  
 Trifluoromethylfluorosulfonene  
 AUTHOR(S): Ragulin, L. I.; Ropalo, P. P.; Sokol'skii, G. A.;  
 Knunyants, I. I.  
 CORPORATE SOURCE: USSR  
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya  
 (1971), (5), 1045-9  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 IT 2127-74-4  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (elimination-addition reaction of)



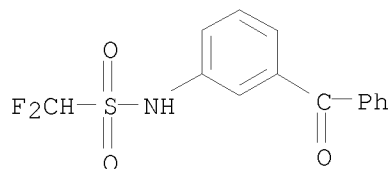
RN 2127-74-4 CAPLUS  
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



IT 20705-83-3P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 20705-83-3 CAPLUS  
CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro- (CA INDEX NAME)

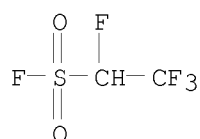


L17 ANSWER 275 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1971:97794 CAPLUS  
DOCUMENT NUMBER: 74:97794  
ORIGINAL REFERENCE NO.: 74:15911a,15914a  
TITLE: 3-Benzoyldifluoromethanesulfonanilide, sodium salt  
(diflumidone sodium, MBR 4164-8): new  
antiinflammatory agent  
AUTHOR(S): Swingle, Karl F.; Hamilton, Robert R.; Harrington, J.  
Kenneth; Kvam, Donald C.  
CORPORATE SOURCE: Biochem. Res. Lab., 3M Co., Saint Paul, MN, USA  
SOURCE: Archives Internationales de Pharmacodynamie et de  
Therapie (1971), 189(1), 129-44  
CODEN: AIPTAK; ISSN: 0003-9780  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 22737-01-5  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
(Uses)  
(inflammation inhibition by)  
RN 22737-01-5 CAPLUS  
CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
(CA INDEX NAME)

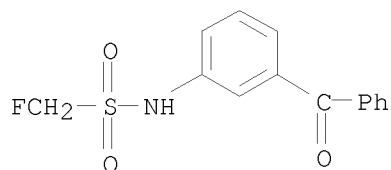


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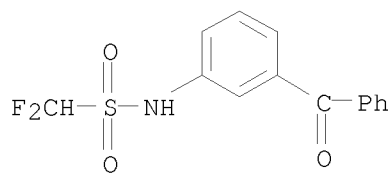
L17 ANSWER 276 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1971:87101 CAPLUS  
 DOCUMENT NUMBER: 74:87101  
 ORIGINAL REFERENCE NO.: 74:14141a,14144a  
 TITLE: Reactivity of  $\alpha$ -hydrotetrafluoroethanesulfonic acid derivatives  
 AUTHOR(S): Sokol'skii, G. A.; Ragulin, L. I.; Knunyants, I. L.  
 CORPORATE SOURCE: USSR  
 SOURCE: Doklady Akademii Nauk SSSR (1971), 196(1), 124-7  
 [Chem]  
 CODEN: DANKAS; ISSN: 0002-3264  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 IT 2127-74-4P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and reactivity of)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



L17 ANSWER 277 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1971:86072 CAPLUS  
 DOCUMENT NUMBER: 74:86072  
 ORIGINAL REFERENCE NO.: 74:13967a,13970a  
 TITLE: Apparent association of activity of antiinflammatory drugs in a sulfhydryl exchange reaction in vitro and in the guinea pig erythema assay  
 AUTHOR(S): Swingle, Karl F.; Jaques, Lowell W.; Grant, Thomas J.; Kvam, Donald C.  
 CORPORATE SOURCE: Biochem. Res. Lab., 3M Co., St. Paul, MN, USA  
 SOURCE: Biochemical Pharmacology (1970), 19(12), 2995-9  
 CODEN: BCPA6; ISSN: 0006-2952  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 22736-84-1 22737-01-5  
 RL: BIOL (Biological study)  
 (sulfhydryl exchange reaction response to, inflammation inhibition in relation to)  
 RN 22736-84-1 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1-fluoro- (CA INDEX NAME)



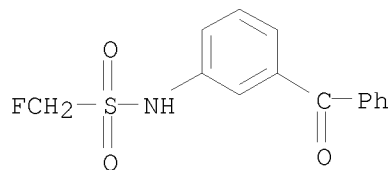
RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
 (CA INDEX NAME)



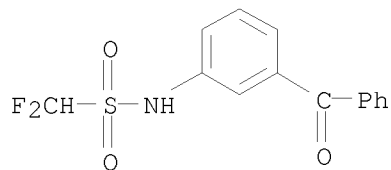
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L17 ANSWER 278 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1970:414477 CAPLUS  
 DOCUMENT NUMBER: 73:14477  
 ORIGINAL REFERENCE NO.: 73:2405a,2408a  
 TITLE: N-Carbonylfluoromethanesulfonanilides  
 INVENTOR(S): Harrington, Joseph K.; Robertson, Jerry E.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: Ger. Offen., 35 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

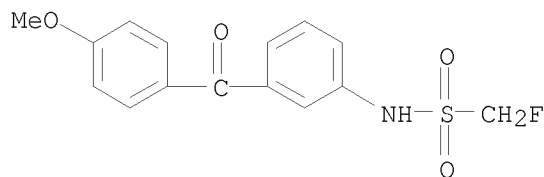
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1917821	A	19691106	DE 1969-1917821	19690408
US 3663708	A	19720516	US 1968-719746	19680408
US 3799968	A	19740326	US 1968-719748	19680408
NL 6904816	A	19691010	NL 1969-4816	19690328
SE 346992	B	19720724	SE 1969-4439	19690328
DK 130290	B	19750203	DK 1969-1747	19690328
HU 162289	B	19730129	HU 1969-MI438	19690401
AT 293424	B	19711011	AT 1969-3304	19690403
CH 520118	A	19720315	CH 1969-520118	19690403
AT 303003	B	19721110	AT 1970-10188	19690403
HU 162288	B	19730129	HU 1969-MI417	19690403
BE 731129	A	19691006	BE 1969-731129	19690404
FR 2007412	A5	19700113	FR 1969-10398	19690404
IL 31971	A	19730228	IL 1969-31971	19690407
SU 471697	A3	19750525	SU 1969-1318796	19690407
GB 1265727	A	19720308	GB 1969-1265727	19690408
JP 48043496	B	19731219	JP 1971-10046	19710301
PRIORITY APPLN. INFO.:			US 1968-719746	A 19680408
			US 1968-719748	A 19680408
IT 22736-84-1P 22736-85-2P 22736-88-5P 22737-02-6P				
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
RN 22736-84-1 CAPLUS				
CN Methanesulfonamide, N-(3-benzoylphenyl)-1-fluoro- (CA INDEX NAME)				



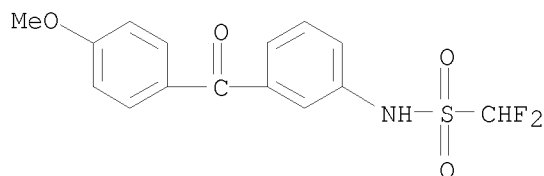
RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



RN 22736-88-5 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[3-(4-methoxybenzoyl)phenyl]- (CA INDEX NAME)

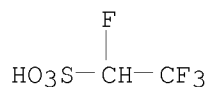


RN 22737-02-6 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-methoxybenzoyl)phenyl]- (CA INDEX NAME)

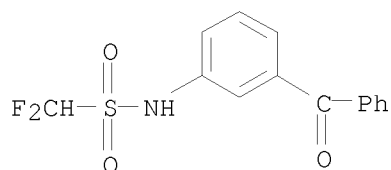


L17 ANSWER 279 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1970:131997 CAPLUS  
 DOCUMENT NUMBER: 72:131997  
 ORIGINAL REFERENCE NO.: 72:23623a,23626a  
 TITLE: Novel photo-reaction of sulfur dioxide with fluoroolefins  
 AUTHOR(S): Sianesi, Dario; Bernardi, Giancarlo; Moggi, Giovanni  
 CORPORATE SOURCE: Centro Ric. Milano, Montecatini Edison S.p.A., Milan, Italy  
 SOURCE: Tetrahedron Letters (1970), (16), 1313-14  
 CODEN: TELEAY; ISSN: 0040-4039  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 20705-83-3P

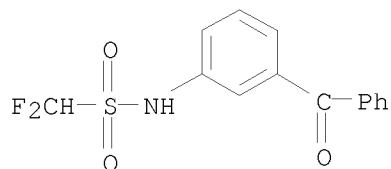
RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 20705-83-3 CAPLUS  
 CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



L17 ANSWER 280 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1970:78605 CAPLUS  
 DOCUMENT NUMBER: 72:78605  
 ORIGINAL REFERENCE NO.: 72:14297a,14300a  
 TITLE: Antiinflammatory agents. I.  
 3-Benzoylfluoroalkanesulfonanilides  
 AUTHOR(S): Harrington, J. Kenneth; Robertson, Jerry Earl; Kvam,  
 Donald C.; Hamilton, Robert R.; McGurran, Kelly T.;  
 Trancik, Ronald J.; Swingle, Karl F.; Moore, George  
 Gomer Innes; Gerster, John F.  
 CORPORATE SOURCE: Biochem. Res. Lab., 3M Co., St. Paul, MN, USA  
 SOURCE: Journal of Medicinal Chemistry (1970), 13(1), 137  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 72:78605  
 IT 22736-85-2P, Methanesulfonanilide, 3'-benzoyl-1,1-difluoro-  
 22737-01-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



RN 22737-01-5 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1)  
 (CA INDEX NAME)

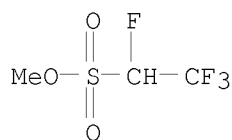


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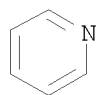
L17 ANSWER 281 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1969:523568 CAPLUS  
DOCUMENT NUMBER: 71:123568  
ORIGINAL REFERENCE NO.: 71:22939a,22942a  
TITLE: Fluorine-containing sulfene complexes  
INVENTOR(S): Knunyants, I. L.; Sokol'skii, G. A.; Belaventsev, M. A.; Ragulin, L. I.; Ropalo, P. P.  
PATENT ASSIGNEE(S): Military Academy of Chemical Defences  
SOURCE: U.S.S.R. From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1969, 46(1), 24.  
CODEN: URXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Russian  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

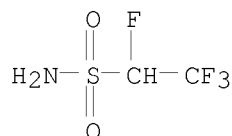
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	SU 232247		19681211	SU	19670717
IT	25600-98-0P 25691-15-0P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
RN	25600-98-0 CAPLUS				
CN	Ethanesulfonic acid, 1,2,2,2-tetrafluoro-, methyl ester, compd. with pyridine (1:1) (8CI) (CA INDEX NAME)				
CM	1				
CRN	20706-13-2				
CMF	C3 H4 F4 O3 S				



CM 2  
CRN 110-86-1  
CMF C5 H5 N



RN 25691-15-0 CAPLUS  
CN Ethanesulfonamide, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



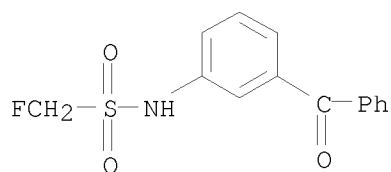
L17 ANSWER 282 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1969:421888 CAPLUS  
 DOCUMENT NUMBER: 71:21888  
 ORIGINAL REFERENCE NO.: 71:4021a,4024a  
 TITLE: Sulfonanilides  
 INVENTOR(S): Robertson, Jerry Earl; Harrington, Joseph K.; Kvan, Donald C.  
 PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co.  
 SOURCE: S. African, 19 pp.  
 CODEN: SFXAB  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 9  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA 6803935	A	19681030	ZA 1968-3935	19680628
GB 1198301	A	19700708	GB 1967-47927	19671020
CH 513136	A	19710930	CH 1967-14668	19671020
BR 6794063	D0	19730918	BR 1967-194063	19671020
US 3758688	A	19730911	US 1972-256377	19720524
PRIORITY APPLN. INFO.:			US 1966-588338	A 19661021
			US 1968-719741	A2 19680408
			US 1969-832824	A3 19690612
			US 1970-45413	A2 19700611

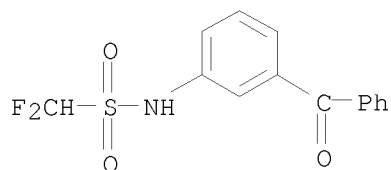
IT 22736-84-1P 22736-85-2P 22736-86-3P  
 22736-87-4P 22736-88-5P 22736-89-6P  
 22736-90-9P 22736-91-0P 22736-92-1P  
 22736-93-2P 22736-94-3P 22736-95-4P  
 22736-96-5P 22736-97-6P 22736-98-7P  
 22736-99-8P 22737-00-4P 22737-01-5P  
 22737-02-6P 22737-04-8P 23093-01-8P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

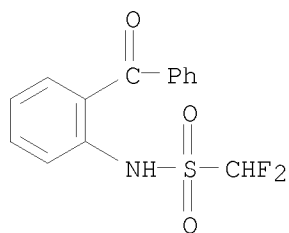
RN 22736-84-1 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1-fluoro- (CA INDEX NAME)



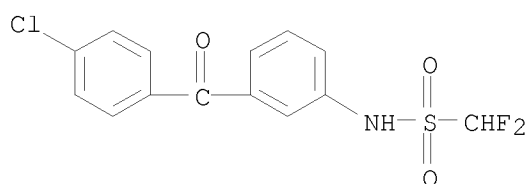
RN 22736-85-2 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



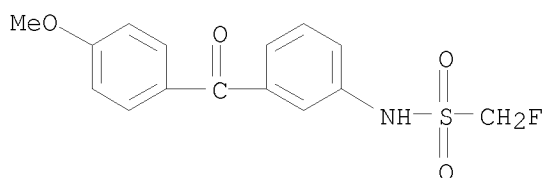
RN 22736-86-3 CAPLUS  
 CN Methanesulfonamide, N-(2-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



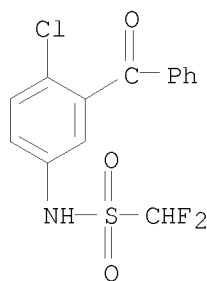
RN 22736-87-4 CAPLUS  
 CN Methanesulfonamide, N-[3-(4-chlorobenzoyl)phenyl]-1,1-difluoro- (CA INDEX NAME)



RN 22736-88-5 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[3-(4-methoxybenzoyl)phenyl]- (CA INDEX NAME)

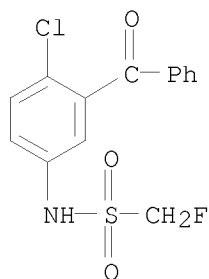


RN 22736-89-6 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoyl-4-chlorophenyl)-1,1-difluoro- (CA INDEX NAME)

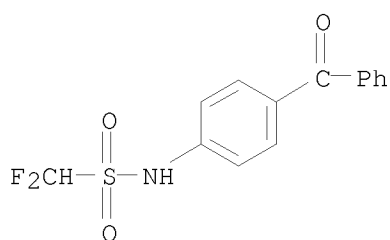


RN 22736-90-9 CAPLUS  
 CN Methanesulfonamide, N-(3-benzoyl-4-chlorophenyl)-1-fluoro- (CA INDEX NAME)

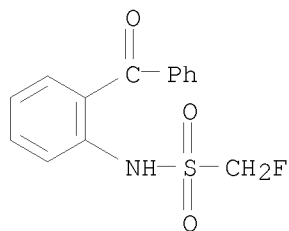




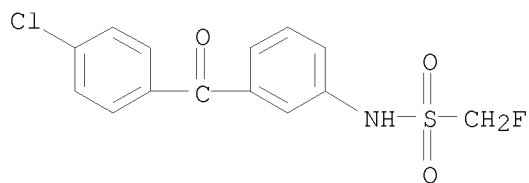
RN 22736-91-0 CAPLUS  
 CN Methanesulfonamide, N-(4-benzoylphenyl)-1,1-difluoro- (CA INDEX NAME)



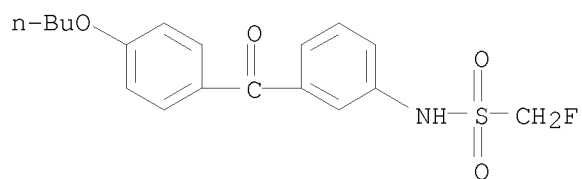
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 CN Methanesulfonamide, N-(2-benzoylphenyl)-1-fluoro- (CA INDEX NAME)



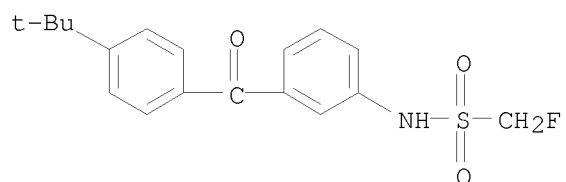
RN 22736-93-2 CAPLUS  
 CN Methanesulfonamide, N-[3-(4-chlorobenzoyl)phenyl]-1-fluoro- (CA INDEX NAME)



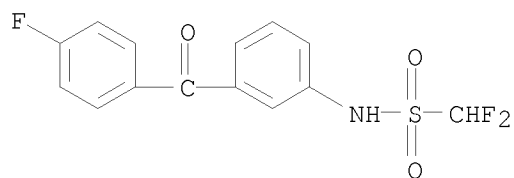
RN 22736-94-3 CAPLUS  
 CN Methanesulfonamide, N-[3-(4-butoxybenzoyl)phenyl]-1-fluoro- (CA INDEX NAME)



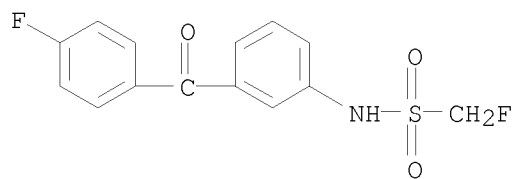
RN 22736-95-4 CAPLUS  
 CN Methanesulfonamide, N-[3-[4-(1,1-dimethylethyl)benzoyl]phenyl]-1-fluoro-  
 (CA INDEX NAME)



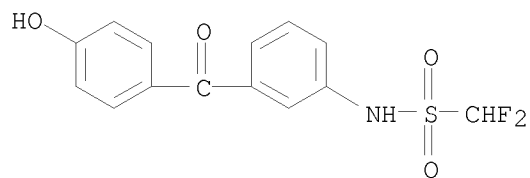
RN 22736-96-5 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-fluorobenzoyl)phenyl]- (CA INDEX  
 NAME)



RN 22736-97-6 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[3-(4-fluorobenzoyl)phenyl]- (CA INDEX  
 NAME)

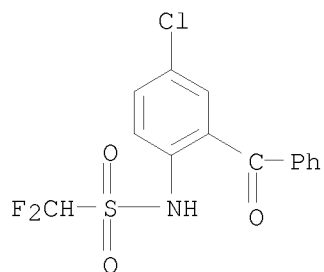


RN 22736-98-7 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-hydroxybenzoyl)phenyl]- (CA  
 INDEX NAME)



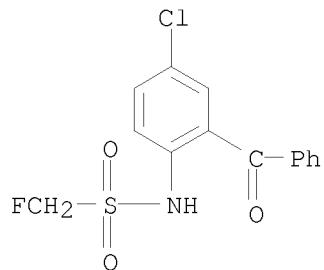
RN 22736-99-8 CAPLUS

CN Methanesulfonamide, N-(2-benzoyl-4-chlorophenyl)-1,1-difluoro- (CA INDEX NAME)



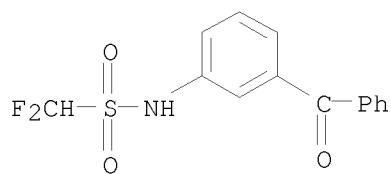
RN 22737-00-4 CAPLUS

CN Methanesulfonamide, N-(2-benzoyl-4-chlorophenyl)-1-fluoro- (CA INDEX NAME)



RN 22737-01-5 CAPLUS

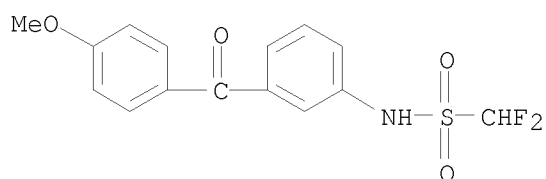
CN Methanesulfonamide, N-(3-benzoylphenyl)-1,1-difluoro-, sodium salt (1:1) (CA INDEX NAME)



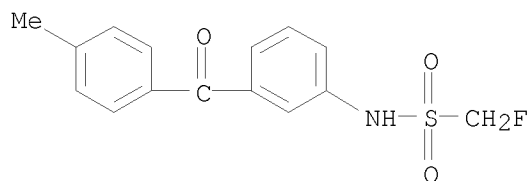
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RN 22737-02-6 CAPLUS

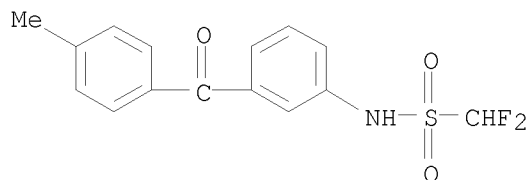
CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-methoxybenzoyl)phenyl]- (CA INDEX NAME)



RN 22737-04-8 CAPLUS  
 CN Methanesulfonamide, 1-fluoro-N-[3-(4-methylbenzoyl)phenyl]- (CA INDEX NAME)

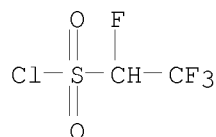


RN 23093-01-8 CAPLUS  
 CN Methanesulfonamide, 1,1-difluoro-N-[3-(4-methylbenzoyl)phenyl]- (CA INDEX NAME)



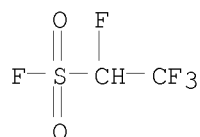
L17 ANSWER 283 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1969:412826 CAPLUS  
 DOCUMENT NUMBER: 71:12826  
 ORIGINAL REFERENCE NO.: 71:2335a,2338a  
 TITLE: Sulfonyl chlorides  
 INVENTOR(S): Sokol'skii, G. A.; Ragulin, L. I.  
 PATENT ASSIGNEE(S): Military Academy of Chemical Defenses  
 SOURCE: U.S.S.R. From: Izobret., Prom. Obraztsy, Tovarnye Znaki 1968, 45(34), 25.  
 CODEN: URXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Russian  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	SU 230137		19681030	SU	19661221
IT	20759-33-5P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
RN	20759-33-5	CAPLUS			
CN	Ethanesulfonyl chloride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)				

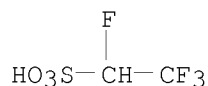


L17 ANSWER 284 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

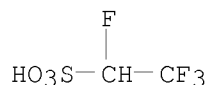
ACCESSION NUMBER: 1968:495875 CAPLUS  
 DOCUMENT NUMBER: 69:95875  
 ORIGINAL REFERENCE NO.: 69:17919a,17922a  
 TITLE:  $\beta$ -Sultones containing fluorine. XXVII.  
 $\alpha$ -Hydrotetrafluoroethanesulfonic acid  
 derivatives  
 AUTHOR(S): Ragulin, L. I.; Ropalo, P. P.; Sokol'skii, G. A.;  
 Knunyants, I. L.  
 CORPORATE SOURCE: USSR  
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya  
 (1968), (7), 1560-4  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 IT 2127-74-4P 20705-83-3P 20706-10-9P  
 20706-11-0P 20706-12-1P 20706-13-2P  
 20706-14-3P 20759-33-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



RN 20705-83-3 CAPLUS  
 CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro- (CA INDEX NAME)

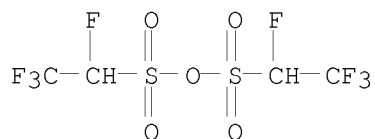


RN 20706-10-9 CAPLUS  
 CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro-, hydrate (1:2) (CA INDEX NAME)

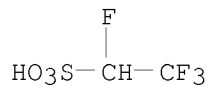


●2 H<sub>2</sub>O

RN 20706-11-0 CAPLUS  
 CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro-, anhydride (8CI) (CA INDEX NAME)

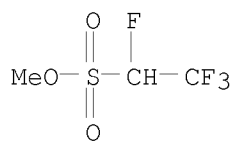


RN 20706-12-1 CAPLUS  
 CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro-, sodium salt (1:1) (CA INDEX NAME)

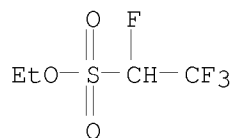


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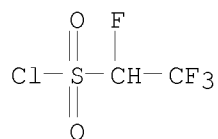
RN 20706-13-2 CAPLUS  
 CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro-, methyl ester (CA INDEX NAME)



RN 20706-14-3 CAPLUS  
 CN Ethanesulfonic acid, 1,2,2,2-tetrafluoro-, ethyl ester (CA INDEX NAME)

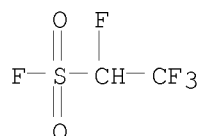


RN 20759-33-5 CAPLUS  
 CN Ethanesulfonyl chloride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)

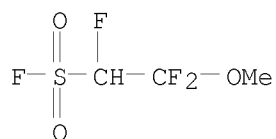


L17 ANSWER 285 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1968:414661 CAPLUS  
 DOCUMENT NUMBER: 69:14661  
 ORIGINAL REFERENCE NO.: 69:2771a,2774a  
 TITLE: Nuclear magnetic resonance studies of fluoroethanes.  
 I. Ambient temperature spectra

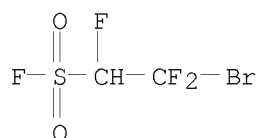
AUTHOR(S): Dean, Ronald H.; Lee, J.  
 CORPORATE SOURCE: Univ. Manchester Inst. Sci. Technol., Manchester, UK  
 SOURCE: Transactions of the Faraday Society (1968), 64(6),  
 1409-17  
 CODEN: TFSOA4; ISSN: 0014-7672  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 2127-74-4 7740-78-5 7740-80-9  
 RL: PRP (Properties)  
 (nuclear magnetic resonance of fluorine and hydrogen in,  
 electronegativity in relation to)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



RN 7740-78-5 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2-trifluoro-2-methoxy- (CA INDEX NAME)



RN 7740-80-9 CAPLUS  
 CN Ethanesulfonyl fluoride, 2-bromo-1,2,2-trifluoro- (CA INDEX NAME)



L17 ANSWER 286 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1968:48977 CAPLUS

DOCUMENT NUMBER: 68:48977

ORIGINAL REFERENCE NO.: 68:9447a,9450a

TITLE:  $\beta$ -Sultones containing fluorine. XXI.  
 Derivatives of

$\alpha$ -sulfofluoride-tetrafluoropropionic acid

AUTHOR(S): Ragulin, L. I.; Ropalo, P. P.; Sokol'skii, G. A.;  
 Knunyants, I. L.

CORPORATE SOURCE: Inst. Elementoorg. Soed., Moscow, USSR

SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya  
 (1967), (8), 1754-8

CODEN: IASKA6; ISSN: 0002-3353

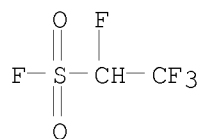
DOCUMENT TYPE: Journal

LANGUAGE: Russian

IT 2127-74-4P

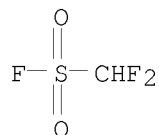
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)  
 RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)

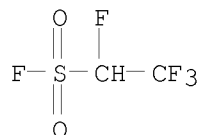


L17 ANSWER 287 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1968:12478 CAPLUS  
 DOCUMENT NUMBER: 68:12478  
 ORIGINAL REFERENCE NO.: 68:2351a,2354a  
 TITLE: Preparation  $\alpha$ -monohydropolyfluoro  
 alkanesulfonylfluorides  
 INVENTOR(S): Sokol'skii, G. A.; Belaventsev, M. A.; Ragulin, L. I.  
 SOURCE: U.S.S.R. From: Izobret., Prom. Obraztsy, Tovarnye  
 Znaki 1967, 44(1), 17-18.  
 CODEN: URXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Russian  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	SU 189842		19661216	SU	19660108
IT	1554-47-8P 2127-74-4P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
RN	1554-47-8 CAPLUS				
CN	Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)				



RN 2127-74-4 CAPLUS  
 CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



L17 ANSWER 288 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1967:411277 CAPLUS  
 DOCUMENT NUMBER: 67:11277  
 ORIGINAL REFERENCE NO.: 67:2119a,2122a  
 TITLE: Stable carbonium ions. XXXVII. Alkyl- and



aryl-alkylfluorocarbonium ions. The dimethyl- and phenylmethyl-fluorocarbonium ion

AUTHOR(S): Olah, George A.; Chambers, Richard D.; Comisarow, Melvin B.

CORPORATE SOURCE: Western Reserve Univ. Cleveland, Cleveland, OH, USA

SOURCE: Journal of the American Chemical Society (1967), 89(5), 1268-9

CODEN: JACSAT; ISSN: 0002-7863

DOCUMENT TYPE: Journal

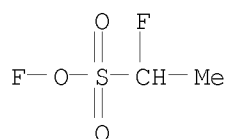
LANGUAGE: English

IT 14665-83-9P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 14665-83-9 CAPLUS

CN Peroxyethanesulfonyl fluoride, 1-fluoro- (8CI) (CA INDEX NAME)



L17 ANSWER 289 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1966:420320 CAPLUS

DOCUMENT NUMBER: 65:20320

ORIGINAL REFERENCE NO.: 65:3730f-g

TITLE: Perfluoroalkyl derivatives of sulfur. VIII. Synthesis and reactions of perfluoroethylenesulfonyl fluoride

AUTHOR(S): Banks, R. E.; Haslam, G. M.; Haszeldine, R. N.; Peppin, A.

CORPORATE SOURCE: Univ. Manchester, UK

SOURCE: Journal of the Chemical Society [Section] C: Organic (1966), (13), 1171-9

CODEN: JSOOAX; ISSN: 0022-4952

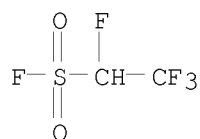
DOCUMENT TYPE: Journal

LANGUAGE: English

IT 2127-74-4P, Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro-  
7740-78-5P, Ethanesulfonyl fluoride, 1,2,2-trifluoro-2-methoxy-  
7740-79-6P, Ethanesulfonyl chloride,  
2-(diethylamino)-1,2,2-trifluoro- 7740-80-9P, Ethanesulfonyl  
fluoride, 2-bromo-1,2,2-trifluoro- 10048-52-9P, Methanesulfonyl  
fluoride, (diethylcarbamoyl)fluoro-  
RL: PREP (Preparation) (preparation of)

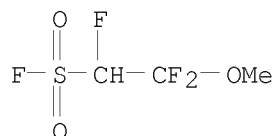
RN 2127-74-4 CAPLUS

CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)

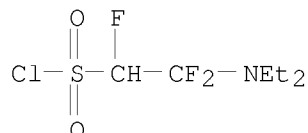


RN 7740-78-5 CAPLUS

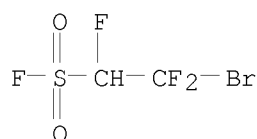
CN Ethanesulfonyl fluoride, 1,2,2-trifluoro-2-methoxy- (CA INDEX NAME)



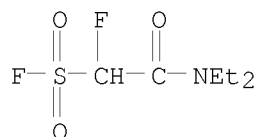
RN 7740-79-6 CAPLUS  
 CN Ethanesulfonyl chloride, 2-(diethylamino)-1,2,2-trifluoro- (CA INDEX NAME)



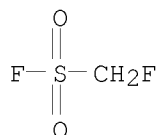
RN 7740-80-9 CAPLUS  
 CN Ethanesulfonyl fluoride, 2-bromo-1,2,2-trifluoro- (CA INDEX NAME)



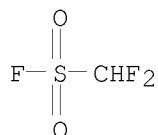
RN 10048-52-9 CAPLUS  
 CN Ethanesulfonyl fluoride, 2-(diethylamino)-1-fluoro-2-oxo- (CA INDEX NAME)



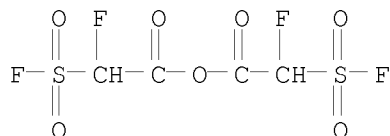
L17 ANSWER 290 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1962:38050 CAPLUS  
 DOCUMENT NUMBER: 56:38050  
 ORIGINAL REFERENCE NO.: 56:7116f-h  
 TITLE: Fluorine-containing  $\beta$ -sultones. XI. Preparation of fluoromethane- and difluoromethanesulfonyl fluorides  
 AUTHOR(S): Sokol'skii, G. A.; Knunyants, I. L.  
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1961) 1606-10  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 IT 1426-07-9P, Methanesulfonyl fluoride, fluoro- 1554-47-8P  
 , Methanesulfonyl fluoride, difluoro-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 1426-07-9 CAPLUS  
 CN Methanesulfonyl fluoride, fluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



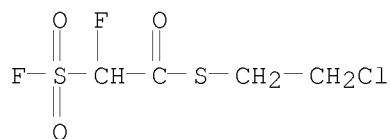
RN 1554-47-8 CAPLUS  
CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)



L17 ANSWER 291 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1962:16107 CAPLUS  
DOCUMENT NUMBER: 56:16107  
ORIGINAL REFERENCE NO.: 56:3015i,3016a  
TITLE: Fluorine-containing  $\beta$ -sultones. X. The value of re-fraction of the fluorosulfonyl group  
AUTHOR(S): Sokoi'skii, G. A.; Knunyants, I. L.  
SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1961) 1468-71  
CODEN: IASKA6; ISSN: 0002-3353  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable  
IT 686-40-8, Acetic acid, fluoro(fluorosulfonyl)-, anhydride  
686-41-9, Acetic acid, fluoro(fluorosulfonyl)thio-, S-2-chloroethyl ester 760-07-6, Acetic acid, fluoro(fluorosulfonyl)thio-, S-propyl ester 815-20-3, Acetyl chloride, fluoro(fluorosulfonyl)- 815-36-1, Acetic acid, fluoro(fluorosulfonyl)-, methyl ester 1536-81-8, Acetic acid, fluoro(fluorosulfonyl)thio-, S-butyl ester 1869-41-6, Acetic acid, fluoro(fluorosulfonyl)-, ethyl ester (fluorosulfonyl group refraction in)  
RN 686-40-8 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, anhydride (6CI, 7CI, 9CI) (CA INDEX NAME)

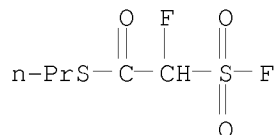


RN 686-41-9 CAPLUS  
CN Ethanethioic acid, fluoro(fluorosulfonyl)-, S-(2-chloroethyl) ester (9CI) (CA INDEX NAME)



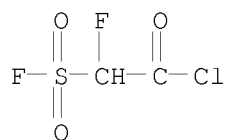
RN 760-07-6 CAPLUS

CN Acetic acid, fluoro(fluorosulfonyl)thio-, S-propyl ester (6CI, 7CI, 8CI)  
(CA INDEX NAME)



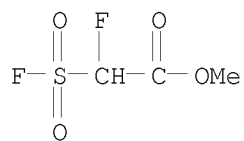
RN 815-20-3 CAPLUS

CN Acetyl chloride, fluoro(fluorosulfonyl)- (6CI, 7CI, 8CI) (CA INDEX NAME)



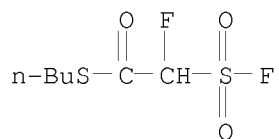
RN 815-36-1 CAPLUS

CN Acetic acid, fluoro(fluorosulfonyl)-, methyl ester (6CI, 7CI, 8CI, 9CI)  
(CA INDEX NAME)



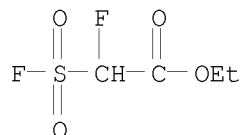
RN 1536-81-8 CAPLUS

CN Acetic acid, fluoro(fluorosulfonyl)thio-, S-butyl ester (6CI, 7CI, 8CI)  
(CA INDEX NAME)

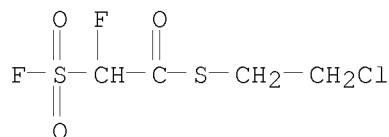


RN 1869-41-6 CAPLUS

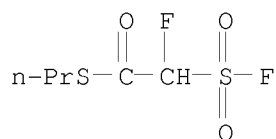
CN Acetic acid, fluoro(fluorosulfonyl)-, ethyl ester (6CI, 7CI, 8CI) (CA INDEX NAME)



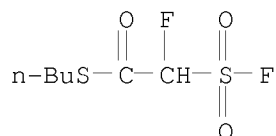
L17 ANSWER 292 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1961:143511 CAPLUS  
 DOCUMENT NUMBER: 55:143511  
 ORIGINAL REFERENCE NO.: 55:27045d-e  
 TITLE: Fluorine-containing  $\beta$ -sultones. VIII.  
 $\beta$ -Sultones as promoters of acylation reactions  
 AUTHOR(S): Sokol'skii, G. A.; Knunyants, I. L.  
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya  
 (1961) 1053-5  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 IT 686-41-9 760-07-6 1536-81-8  
 (Derived from data in the 6th Collective Formula Index (1957-1961))  
 RN 686-41-9 CAPLUS  
 CN Ethanethioic acid, fluoro(fluorosulfonyl)-, S-(2-chloroethyl) ester (9CI)  
 (CA INDEX NAME)



RN 760-07-6 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)thio-, S-propyl ester (6CI, 7CI, 8CI)  
 (CA INDEX NAME)

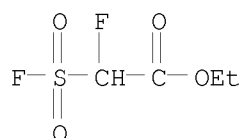


RN 1536-81-8 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)thio-, S-butyl ester (6CI, 7CI, 8CI)  
 (CA INDEX NAME)

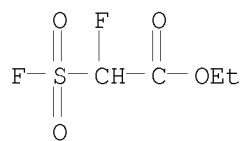


L17 ANSWER 293 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1961:124347 CAPLUS

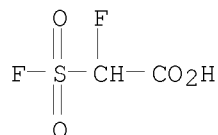
DOCUMENT NUMBER: 55:124347  
 ORIGINAL REFERENCE NO.: 55:23333d-f  
 TITLE: Fluorine-containing  $\beta$ -sultones. VII. Utilization of tetrafluoroethane- $\beta$ -sultone in acetylation reaction  
 AUTHOR(S): Sokol'skii, G. A.; Knunyants, I. L.  
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1961) 813-15  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 IT 1869-41-6  
 (Derived from data in the 6th Collective Formula Index (1957-1961))  
 RN 1869-41-6 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)-, ethyl ester (6CI, 7CI, 8CI) (CA INDEX NAME)



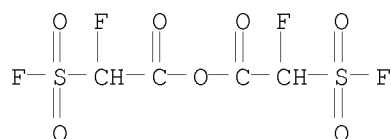
L17 ANSWER 294 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1961:124346 CAPLUS  
 DOCUMENT NUMBER: 55:124346  
 ORIGINAL REFERENCE NO.: 55:23333b-d  
 TITLE: Fluorine-containing  $\beta$ -sultones. VI. Fluorosulfonylmonofluoroacetic acid  
 AUTHOR(S): Sokol'skii, G. A.; Dmitriev, M. A.; Knunyants, I. L.  
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1961) 621-2  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 IT 1869-41-6  
 (Derived from data in the 6th Collective Formula Index (1957-1961))  
 RN 1869-41-6 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)-, ethyl ester (6CI, 7CI, 8CI) (CA INDEX NAME)



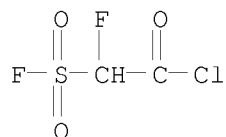
IT 815-21-4, Acetic acid, fluoro(fluorosulfonyl)-  
 (esters)  
 RN 815-21-4 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)



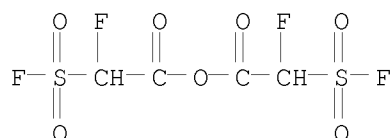
IT 686-40-8P, Acetic acid, fluoro(fluorosulfonyl)-, anhydride  
 815-20-3P, Acetyl chloride, fluoro(fluorosulfonyl)-  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 686-40-8 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)-, anhydride (6CI, 7CI, 9CI) (CA INDEX NAME)



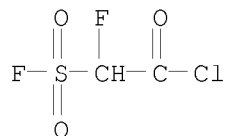
RN 815-20-3 CAPLUS  
 CN Acetyl chloride, fluoro(fluorosulfonyl)- (6CI, 7CI, 8CI) (CA INDEX NAME)



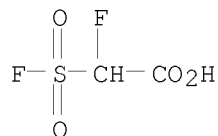
L17 ANSWER 295 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1961:124345 CAPLUS  
 DOCUMENT NUMBER: 55:124345  
 ORIGINAL REFERENCE NO.: 55:23332i,23333a-b  
 TITLE: Fluorine-containing  $\beta$ -sultones. V. Reaction of tetrafluoroethane- $\beta$ -pyrosultone with alcohols  
 AUTHOR(S): Sokol'skii, G. A.; Dmitriev, M. A.; Knunyants, I. L.  
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1961) 617-20  
 CODEN: IASKA6; ISSN: 0002-3353  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 IT 686-40-8 815-20-3 815-21-4 815-36-1  
 (Derived from data in the 6th Collective Formula Index (1957-1961))  
 RN 686-40-8 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)-, anhydride (6CI, 7CI, 9CI) (CA INDEX NAME)



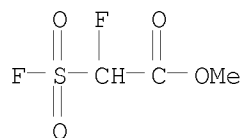
RN 815-20-3 CAPLUS  
CN Acetyl chloride, fluoro(fluorosulfonyl)- (6CI, 7CI, 8CI) (CA INDEX NAME)



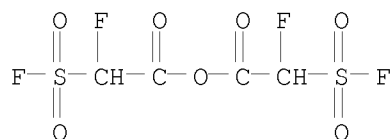
RN 815-21-4 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 815-36-1 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, methyl ester (6CI, 7CI, 8CI, 9CI)  
(CA INDEX NAME)



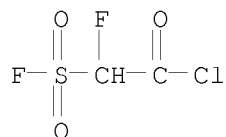
L17 ANSWER 296 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1961:124344 CAPLUS  
DOCUMENT NUMBER: 55:124344  
ORIGINAL REFERENCE NO.: 55:23332g-i  
TITLE: Mechanism of catalytic hydroxylation of allyl alcohol  
with hydrogen peroxide  
AUTHOR(S): Sulima, L. V.  
CORPORATE SOURCE: Inst. Phys.-Chem., Acad. Sci. Ukr. S.S.R., Kiev  
SOURCE: Zhurnal Obshchei Khimii (1961), 31, 891-5  
CODEN: ZOKHA4; ISSN: 0044-460X  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable  
IT 686-40-8 815-20-3 815-21-4 815-36-1  
(Derived from data in the 6th Collective Formula Index (1957-1961))  
RN 686-40-8 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, anhydride (6CI, 7CI, 9CI) (CA INDEX  
NAME)



RN 815-20-3 CAPLUS

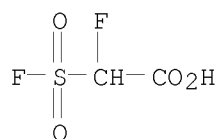


CN Acetyl chloride, fluoro(fluorosulfonyl)- (6CI, 7CI, 8CI) (CA INDEX NAME)



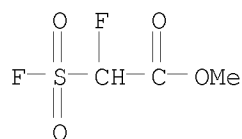
RN 815-21-4 CAPLUS

CN Acetic acid, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)



RN 815-36-1 CAPLUS

CN Acetic acid, fluoro(fluorosulfonyl)-, methyl ester (6CI, 7CI, 8CI, 9CI)  
(CA INDEX NAME)



L17 ANSWER 297 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1961:32699 CAPLUS

DOCUMENT NUMBER: 55:32699

ORIGINAL REFERENCE NO.: 55:6367g-i,6368a-i,6369a-h

TITLE: Reactions of fluoroolefins with sulfur trioxide

AUTHOR(S): England, D. C.; Dietrich, M. A.; Lindsey, R. V., Jr.

CORPORATE SOURCE: E. I. du Pont de Nemours & Co., Wilmington, DE

SOURCE: Journal of the American Chemical Society (1960), 82,  
6181-8

CODEN: JACSAT; ISSN: 0002-7863

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

OTHER SOURCE(S): CASREACT 55:32699

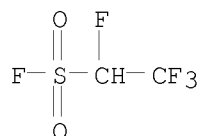
IT 2127-74-4P, Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro-  
2925-27-1P, Acetyl fluoride, fluoro(fluorosulfonyl)-

RL: PREP (Preparation)

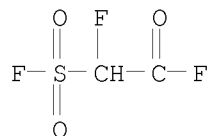
(preparation of)

RN 2127-74-4 CAPLUS

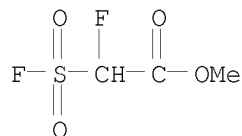
CN Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- (CA INDEX NAME)



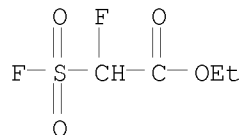
RN 2925-27-1 CAPLUS  
CN Acetyl fluoride, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)



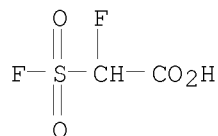
L17 ANSWER 298 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1961:13179 CAPLUS  
DOCUMENT NUMBER: 55:13179  
ORIGINAL REFERENCE NO.: 55:2544a-c  
TITLE: Fluorine-containing  $\beta$ -sultones. III. Reaction of  
fluorine-containing  $\beta$ -sultones with alcohols  
AUTHOR(S): Dmitriev, M. A.; Sokol'skii, G. A.; Knunyants, I. L.  
SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya  
(1960) 1227-30  
CODEN: IASKA6; ISSN: 0002-3353  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable  
IT 815-36-1 1869-41-6  
(Derived from data in the 6th Collective Formula Index (1957-1961))  
RN 815-36-1 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, methyl ester (6CI, 7CI, 8CI, 9CI)  
(CA INDEX NAME)



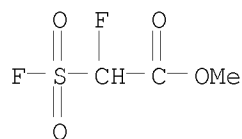
RN 1869-41-6 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, ethyl ester (6CI, 7CI, 8CI) (CA INDEX NAME)



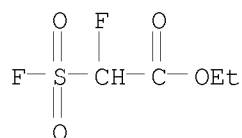
IT 815-21-4, Acetic acid, fluoro(fluorosulfonyl)-  
(esters)  
RN 815-21-4 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)



L17 ANSWER 299 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1961:13178 CAPLUS  
 DOCUMENT NUMBER: 55:13178  
 ORIGINAL REFERENCE NO.: 55:2543f-i,2544a  
 TITLE: O-Acylhydroxylamines. II. O-mesitylenesulfonyl-,  
 O-(p-toluenesulfonyl)-, and O-mesitylhydroxylamine  
 AUTHOR(S): Carpino, Louis A.  
 CORPORATE SOURCE: Univ. of Massachusetts, Amherst  
 SOURCE: Journal of the American Chemical Society (1960), 82,  
 3133-5  
 CODEN: JACSAT; ISSN: 0002-7863  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 OTHER SOURCE(S): CASREACT 55:13178  
 IT 815-36-1 1869-41-6  
 (Derived from data in the 6th Collective Formula Index (1957-1961))  
 RN 815-36-1 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)-, methyl ester (6CI, 7CI, 8CI, 9CI)  
 (CA INDEX NAME)



RN 1869-41-6 CAPLUS  
 CN Acetic acid, fluoro(fluorosulfonyl)-, ethyl ester (6CI, 7CI, 8CI) (CA  
 INDEX NAME)

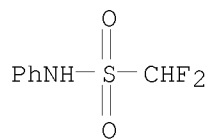


L17 ANSWER 300 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1961:2452 CAPLUS  
 DOCUMENT NUMBER: 55:2452  
 ORIGINAL REFERENCE NO.: 55:445g-i,446a-c  
 TITLE: Arylamides of halogenated methane- and ethanesulfonic  
 acids  
 AUTHOR(S): Farrar, W. V.  
 CORPORATE SOURCE: Imp. Chem. Ind. Ltd., Manchester, UK  
 SOURCE: Journal of the Chemical Society (1960) 3058-62  
 CODEN: JCSOA9; ISSN: 0368-1769  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 IT 658-43-5P, Methanesulfonanilide, 1,1-difluoro- 1422-79-3P  
 , Methanesulfonanilide, 1-chloro-1-fluoro- 1512-30-7P,  
 Methanesulfonyl chloride, difluoro- 1513-31-1P,  
 Methanesulfonanilide, 4'-chloro-1,1-difluoro- 1544-71-4P,  
 Methanesulfonanilide, 2',4'-dichloro-1,1-difluoro- 2070-61-3P,  
 Methanesulfonanilide, 1-fluoro- 2267-26-7P,  
 Methanesulfonanilide, 1,4'-dichloro-1-fluoro- 2795-52-0P,

Methanesulfonic acid, difluoro-, sodium salt 2927-32-4P,  
 Methanesulfonanilide, 2',4'-dichloro-1-fluoro-  
 RL: PREP (Preparation)  
 (preparation of)

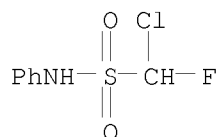
RN 658-43-5 CAPLUS

CN Methanesulfonamide, 1,1-difluoro-N-phenyl- (CA INDEX NAME)



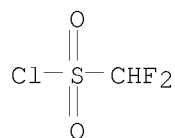
RN 1422-79-3 CAPLUS

CN Methanesulfonanilide, 1-chloro-1-fluoro- (6CI, 8CI) (CA INDEX NAME)



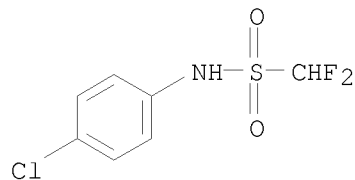
RN 1512-30-7 CAPLUS

CN Methanesulfonyl chloride, difluoro- (6CI, 8CI, 9CI) (CA INDEX NAME)



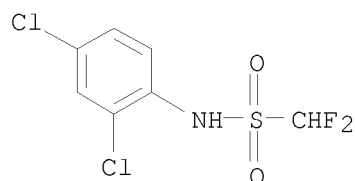
RN 1513-31-1 CAPLUS

CN Methanesulfonamide, N-(4-chlorophenyl)-1,1-difluoro- (CA INDEX NAME)

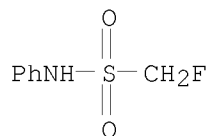


RN 1544-71-4 CAPLUS

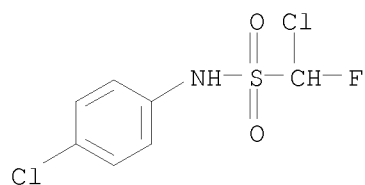
CN Methanesulfonanilide, 2',4'-dichloro-1,1-difluoro- (6CI, 8CI) (CA INDEX NAME)



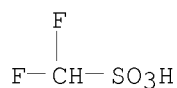
RN 2070-61-3 CAPLUS  
CN Methanesulfonamide, 1-fluoro-N-phenyl- (CA INDEX NAME)



RN 2267-26-7 CAPLUS  
CN Methanesulfonamide, 1-chloro-N-(4-chlorophenyl)-1-fluoro- (CA INDEX NAME)

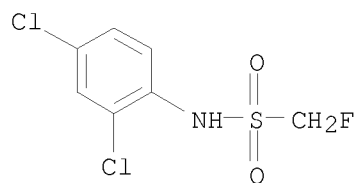


RN 2795-52-0 CAPLUS  
CN Methanesulfonic acid, difluoro-, sodium salt (6CI, 8CI, 9CI) (CA INDEX NAME)



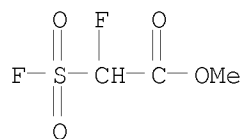
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RN 2927-32-4 CAPLUS  
CN Methanesulfonanilide, 2',4'-dichloro-1-fluoro- (6CI, 8CI) (CA INDEX NAME)

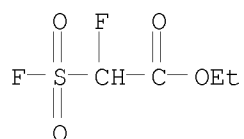


L17 ANSWER 301 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1959:62177 CAPLUS  
DOCUMENT NUMBER: 53:62177  
ORIGINAL REFERENCE NO.: 53:11211a-e  
TITLE: Addition of sulfur trioxide to fluoroolefins  
AUTHOR(S): Dmitriev, M. A.; Sokol'skii, G. A.; Knunyants, I. L.  
SOURCE: Doklady Akademii Nauk SSSR (1959), 124, 581-2  
CODEN: DANKAS; ISSN: 0002-3264  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable  
IT 815-36-1 1869-41-6  
(Derived from data in the 6th Collective Formula Index (1957-1961))

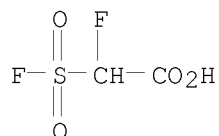
RN 815-36-1 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, methyl ester (6CI, 7CI, 8CI, 9CI)  
(CA INDEX NAME)



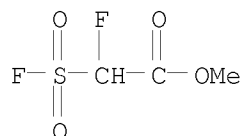
RN 1869-41-6 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, ethyl ester (6CI, 7CI, 8CI) (CA INDEX NAME)



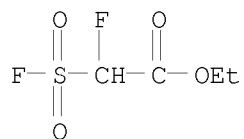
IT 815-21-4, Acetic acid, fluoro(fluorosulfonyl)-  
(esters)  
RN 815-21-4 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)



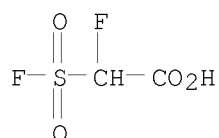
L17 ANSWER 302 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1959:62176 CAPLUS  
DOCUMENT NUMBER: 53:62176  
ORIGINAL REFERENCE NO.: 53:11211a-e  
TITLE: Addition of sulfur trioxide to fluoroolefins  
AUTHOR(S): Dmitriev, M. A.; Sokol'skii, G. A.; Knunyants, I. L.  
SOURCE: Khimicheskaya Nauka i Promyshlennost (1958), 3, 826-8  
CODEN: KHNPA; ISSN: 0368-5586  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable  
IT 815-36-1 1869-41-6  
(Derived from data in the 6th Collective Formula Index (1957-1961))  
RN 815-36-1 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, methyl ester (6CI, 7CI, 8CI, 9CI)  
(CA INDEX NAME)



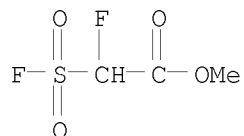
RN 1869-41-6 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, ethyl ester (6CI, 7CI, 8CI) (CA INDEX NAME)



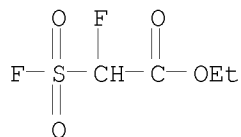
IT 815-21-4, Acetic acid, fluoro(fluorosulfonyl)-  
(esters)  
RN 815-21-4 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)- (6CI, 8CI, 9CI) (CA INDEX NAME)



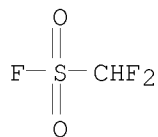
L17 ANSWER 303 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 1959:62175 CAPLUS  
DOCUMENT NUMBER: 53:62175  
ORIGINAL REFERENCE NO.: 53:11210i,11211a  
TITLE: Synthesis of thiotaurine  
AUTHOR(S): Cavallini, Dorian; De Marco, Carlo; Mondovi, Bruno  
CORPORATE SOURCE: Univ. Rome  
SOURCE: Bulletin de la Societe de Chimie Biologique (1959),  
40, 1711-15  
CODEN: BSCIA3; ISSN: 0037-9042  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable  
OTHER SOURCE(S): CASREACT 53:62175  
IT 815-36-1 1869-41-6  
(Derived from data in the 6th Collective Formula Index (1957-1961))  
RN 815-36-1 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, methyl ester (6CI, 7CI, 8CI, 9CI)  
(CA INDEX NAME)



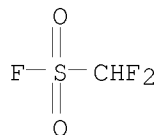
RN 1869-41-6 CAPLUS  
CN Acetic acid, fluoro(fluorosulfonyl)-, ethyl ester (6CI, 7CI, 8CI) (CA INDEX NAME)



L17 ANSWER 304 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1956:35433 CAPLUS  
 DOCUMENT NUMBER: 50:35433  
 ORIGINAL REFERENCE NO.: 50:6995a-b  
 TITLE: Cyclopentadienides of scandium, yttrium, and some rare earth elements  
 AUTHOR(S): Birmingham, J. M.; Wilkinson, G.  
 CORPORATE SOURCE: Harvard Univ.  
 SOURCE: Journal of the American Chemical Society (1956), 78, 42-4  
 CODEN: JACSAT; ISSN: 0002-7863  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 IT 1554-47-8  
 (Derived from data in the 5th Collective Formula Index (1947-1956))  
 RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)

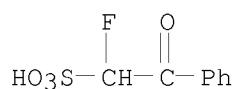


L17 ANSWER 305 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1956:35432 CAPLUS  
 DOCUMENT NUMBER: 50:35432  
 ORIGINAL REFERENCE NO.: 50:6994i,6995a  
 TITLE: Stability of methyl esters of mono- and dibromo-boric acid  
 AUTHOR(S): Goubeau, J.; Becher, H. J.; Griffel, F.  
 CORPORATE SOURCE: Tech. Hochschule, Stuttgart, Germany  
 SOURCE: Zeitschrift fuer Anorganische und Allgemeine Chemie (1955), 282, 86-92  
 CODEN: ZAACAB; ISSN: 0044-2313  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 IT 1554-47-8  
 (Derived from data in the 5th Collective Formula Index (1947-1956))  
 RN 1554-47-8 CAPLUS  
 CN Methanesulfonyl fluoride, difluoro- (7CI, 8CI, 9CI) (CA INDEX NAME)





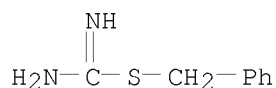
L17 ANSWER 306 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1955:27954 CAPLUS  
 DOCUMENT NUMBER: 49:27954  
 ORIGINAL REFERENCE NO.: 49:5374e-g  
 TITLE: Sulfonation of substituted acetophenones  
 AUTHOR(S): Truce, William E.; Mori, Peter T.  
 CORPORATE SOURCE: Purdue Univ., Lafayette, IN  
 SOURCE: Journal of Organic Chemistry (1953), 18, 1655-7  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable  
 IT 395-17-5, Methanesulfonic acid, benzoylfluoro-  
 (derivs.)  
 RN 395-17-5 CAPLUS  
 CN Benzeneethanesulfonic acid,  $\alpha$ -fluoro- $\beta$ -oxo- (CA INDEX NAME)



L17 ANSWER 307 OF 307 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1955:27919 CAPLUS  
 DOCUMENT NUMBER: 49:27919  
 ORIGINAL REFERENCE NO.: 49:5360b-d  
 TITLE: Steric hindrance in the reaction of amines on halogen  
 quinones  
 AUTHOR(S): Buu-Hoi, Ng. Ph.; Royer, Rene; Hubert-Habart, Michel  
 SOURCE: Recueil des Travaux Chimiques des Pays-Bas et de la  
 Belgique (1954), 73, 188-92  
 CODEN: RTCPB4; ISSN: 0370-7539  
 DOCUMENT TYPE: Journal  
 LANGUAGE: French  
 IT 395-14-2 5324-39-0  
 (Derived from data in the 5th Collective Formula Index (1947-1956))  
 RN 395-14-2 CAPLUS  
 CN Benzeneethanesulfonic acid,  $\alpha$ -fluoro- $\beta$ -oxo-, compd. with  
 phenylmethyl carbamimidothioate (1:1) (CA INDEX NAME)

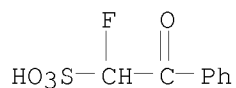
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CRN 621-85-2  
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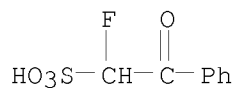


CM 2

CRN 395-17-5  
 CMF C8 H7 F O4 S



RN 5324-39-0 CAPLUS  
 CN Methanesulfonic acid, benzoylfluoro-, barium salt (8CI) (CA INDEX NAME)



● 1/2 Ba

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	ENTRY	SESSION
FULL ESTIMATED COST	1157.49	2231.14

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	ENTRY	SESSION
FULL ESTIMATED COST	0.46	2231.60

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=> s hydrofluoromethylenesulfonyl  
L18 0 HYDROFLUOROMETHYLENESULFONYL

=>